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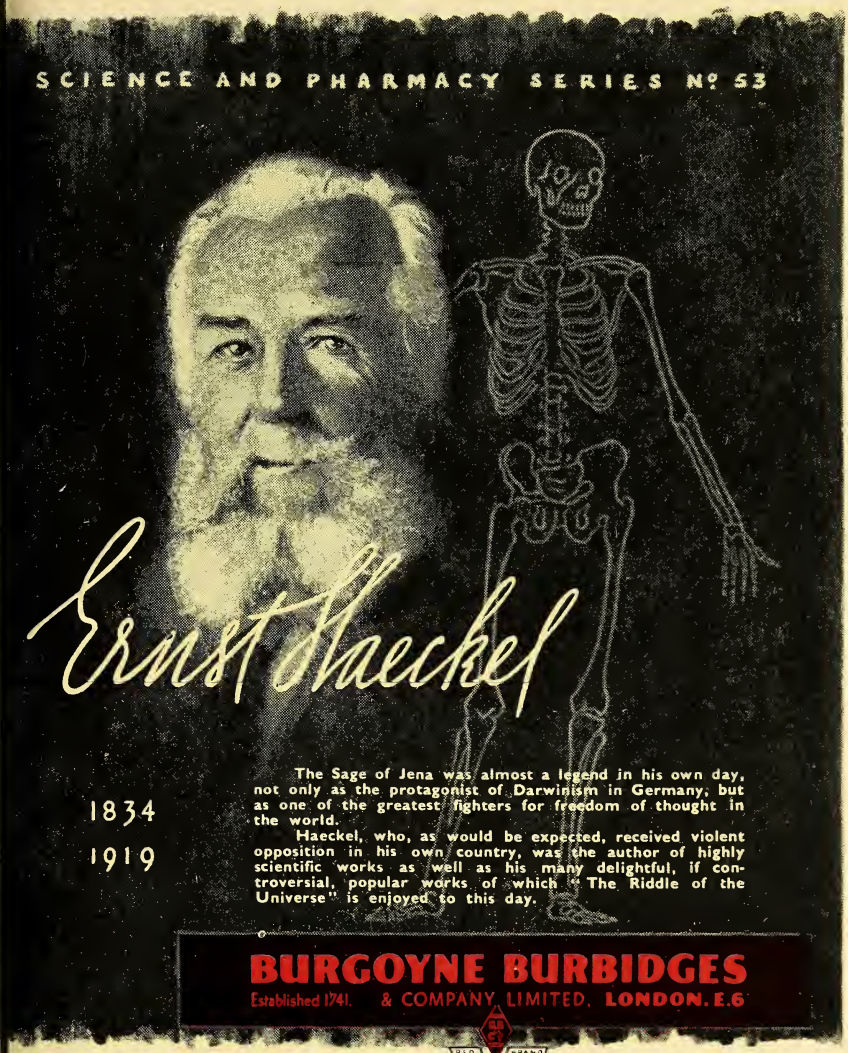
The
CHEMIST AND DRUGGIST
RETAILER - WHOLESALER - MANUFACTURER

JUNE 19, 1948


SCIENCE AND PHARMACY SERIES No. 53
Ernst Haeckel
1834
1919
The Sage of Jena was almost a legend in his own day, not only as the protagonist of Darwinism in Germany, but as one of the greatest fighters for freedom of thought in the world.
Haeckel, who, as would be expected, received violent opposition in his own country, was the author of highly scientific works as well as his many delightful, if controversial, popular works of which "The Riddle of the Universe" is enjoyed to this day.
BURGOYNE BURBIDGES
Established 1741. & COMPANY LIMITED, LONDON, E.6
RED BRAND DIAMOND

Index to Advertisers pp. 5 & 6

Now available . . .

'Benadryl' Parenteral

'Benadryl,' the potent anti-histamine agent which is being us orally with outstanding success in the treatment of aller disorders, is now available in a solution for parenteral u which contains 10 mgm. per c.c., and is intended for the relief acute conditions calling for the immediate action of the drug.

'Benadryl' Parenteral is issued in 10 c.c. rubber-capped vials 5/0 per vial.

'Synapoidin'

Supplies of this balanced combination of the follicle-stimulati hormone from the anterior lobe of the pituitary gland a chorionic gonadotrophin from human pregnancy-urine are on more available.

In rubber-capped vials of 10 c.c. Per vial 42/0 (Exempt fro Purchase Tax).

Parke, Davis & Co., 50, Beak St., London, W.

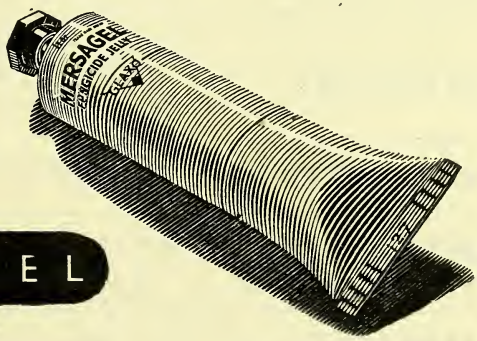
Laboratories: Hounslow, Middlesex. *Inc. U.S.A., Liability, L*

unwelcome legacies of summer

athlete's foot · swimmer's itch · dhobie itch

Summer time puts the accent on organized sports and exercise. And wherever there are communal showers, baths and pools, there is the ever present threat of fungus skin infection in one form or another.

Mersagel is designed specifically to combat these distressing conditions. Incorporating phenyl mercuric acetate (1 : 750) in a special water-soluble jelly base, Mersagel acts directly and rapidly against infecting fungi yet is harmless and non-irritant to the normal skin. Mersagel is also valuable as a protective measure. Colourless and clean to use, Mersagel can safely be recommended for the customer's personal application when desired.



GLAXO

MERSAGEL

1½ oz tubes · 16 oz jars

GLAXO LABORATORIES LTD., GREENFORD, MIDDLESEX. BYRon 3434

REGULAR SELLERS

Always on the move from your shelf to your custome

MACLEANS

PEROXIDE TOOTH PASTE	All that a really good tooth paste can do, it does supremely well. It cleans thoroughly and keeps gums and mouth fresh and healthy.
TOOTHBRUSH	Right in every way. IN SHAPE—small head and slim handle to clean awkward places. IN TEXTURE—not too hard, not too soft. Springy tufts. IN COLOUR—Green, blue, red, white.
SOLID DENTIFRICE	Solid value through and through. The kiddies love it, and it's so economical.
QUICK LATHER SHAVING CREAM	For quicker and smoother shaves. It's so soothing —so generous with its instant lather. And a very little goes a long, long way.
HYDROGEN PEROXIDE	Invaluable for gargling, disinfecting, bleaching and other toilet uses. In 4 fluid oz. bottles (10 vols. or 20 vols.).

MACLEANS LTD., GT. WEST RD., BRENTFORD, MIDDX. Phone: Ealing 6616. Wires: Macleans, Brentfor

Make sure your stocks DO meet your customers' requests

Evans Effervescent Health Salt, refreshing and cooling, is now available in a new dress, and with a new formula. Its sales are backed by the nationally - advertised name of EVANS.

SPECIAL BONUS OFFER UNTIL 30 JUNE

13 to the dozen on orders for a minimum of 3 dozen.

RETAIL 1/4 per 4 oz. tin (Including Purchase Tax)

WHOLESALE 9/3 per doz. *plus* 33⅓% Purchase Tax. 6 doz. at 9/- per dozen, plus tax.

EVANS

EVANS MEDICAL SUPPLIES LTD

Speke, Liverpool 19

and Bartholomew Close, London, E.C.1

Distributing Depots :

BELFAST, BIRMINGHAM, BRISTOL, LEEDS, LEICESTER, MANCHESTER, NEWCASTLE, SHEFFIELD AND SWANSEA.

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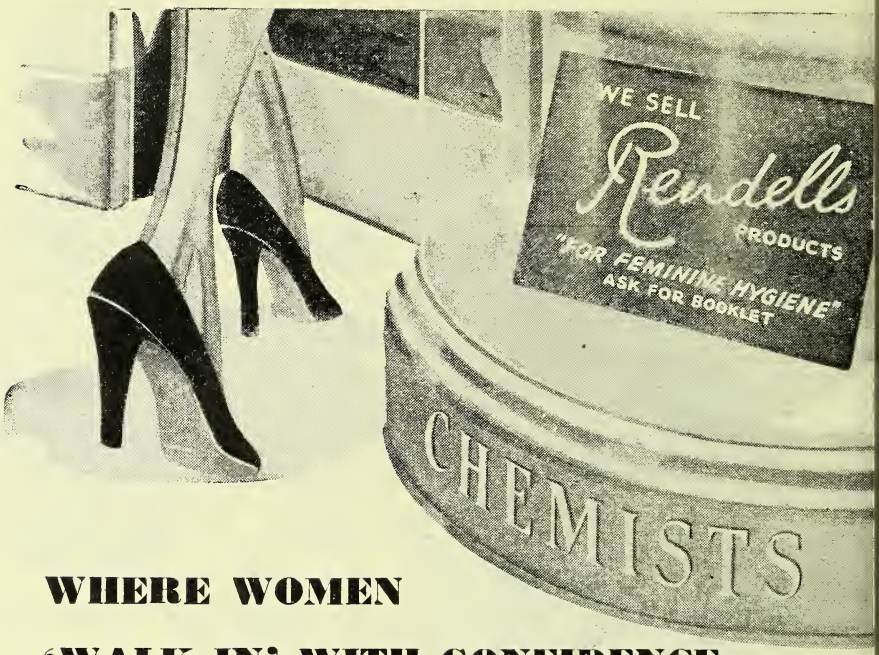
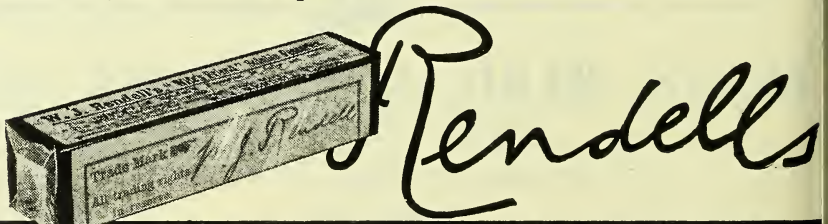


WHERE WOMEN 'WALK IN' WITH CONFIDENCE

For over half a century, women everywhere have had justifiable confidence in the name Rendells, and in the pharmacist who stocks Rendells products.

The Chemists displaying Rendells frequently find this an excellent means of introducing new customers.

If you need further supplies of window and counter display material, just send us a postcard.



NOW WRAPPED IN CELLULOSE FILM AGAIN

W. J. RENDELL LTD., 161 ROSEBERY AVENUE, LONDON, E.C.1

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(*continued overleaf*)

A new preparation of the vitamin B group

'ibelan' contains the principal members of e B group in the proportions necessary effective utilisation of carbohydrates, pro- ns and fats and is thus of particular value those cases of debility and lack of energy common at the present time. Four tablets vide the normal daily requirements of three principal vitamins of the group.

Each tablet contains:—
VITAMIN B_1 0.5 mg.
RIBOFLAVINE 0.75 mg.
NICOTINOMIDE 7.5 mg.
in a yeast extract base.

PRICES:	Retail	Trade
Bottles of 50	5/-	3/4
Bottles of 250	20/-	13/4
Bottles of 1000	70/-	46/8

Not subject to Purchase Tax

'VIBELAN'

Vitamin B Compound B.D.H.

THE BRITISH DRUG HOUSES LTD. LONDON N.1

Vib/T/2

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Fig. 800
"OILTITE"
DROP BOTTLE
White Flint
½ oz. 1 oz. 2 oz.
6/- 6/9 7/6 Dzn.

THE
"CUCKOO" UNIVERSAL EAR CAP

Seven Stock Sizes.
Special sizes made to order.

STOCK SIZES - - 4/- each (including tax)
SPECIAL SIZES - - 5/3 ,, ,, ,,
State age when ordering. From all leading Wholesalers.

Actual Makers **M. J. FECHER, LTD.**
121 HIGH STREET, SLOUGH, BUCKS
Telephone: SLOUGH 21864 *Established 1891*

Confidence turns into Cash!

Phensic
Cassell's
Veno's
Germolene - Germoloids

The cash you take for these famous Veno products comes over your counter on a tide of goodwill. Don't stem this tide for lack of stock! Order now! TERMS: Combined orders amounting to £3 and upwards from qualified Chemists will be subject to 10% for display co-operation in addition to our usual 2½% discount for monthly account.

P.A.T.A.

Veno Drug Co. Ltd., Chester Rd. Manchester. 16.

A NAME YOU CAN RELY ON –

COX

of Brighton

AN ORGANISATION ABREAST OF THE LATEST MECHANICAL AND SCIENTIFIC DEVELOPMENTS

Manufactures include

PILLS & TABLETS

PHARMACEUTICALS : SOLVELLÆ

PACKED SPECIALITIES

CUSTOMERS "OWN NAME" PRODUCTS

ARTHUR H. COX & CO. LTD. BRIGHTON 7.

When you stock and recommend the new M&B preparations

'PHYTODERMINE' trade mark
cream

and

'PHYTODERMINE'
dusting powder

for the prevention and treatment of ATHLETE'S FOOT and certain other fungous infections of the skin

–you can rely on "repeat" sales

because **1. the products are effective 2. presentations and show material are attractive 3. advertising and propaganda will be intensive**

In addition to your usual discounts we offer you BONUS TERMS OF THIRTEEN TO THE DOZEN for both cream and dusting powder.

Supplies: *'Phytodermine' cream 1 oz. jar 2s. 6d. + 6½d. P.T.*
'Phytodermine' powder 2 oz. canister 2s. 9d. + 7½d. P.T.

manufactured by **MAY & BAKER LTD**

48022

distributors

HARMACEUTICAL SPECIALITIES (MAY & BAKER) LTD DAGENHAM

URGENT

Empty ANDREWS cases *please*

For some time past we have experienced considerable difficulty in despatching supplies of Andrews because of the acute shortage of cases.

The position is NOW SERIOUS

and unless customers holding Andrews empty cases return them immediately a hold-up in deliveries will result. Your co-operation is requested. Postage or carriage will be credited.

HOW TO SEND

Fold cases flat, flaps inside, tie up. Ready addressed gummed labels obtainable from our travellers, or direct from us. Up to 15 lbs., by post (*state cost on label*). Over 15 lbs., by rail, c/fwd (*or state cost on label*).

ANDREWS

SCOTT & TURNER, LTD.
Andrews House, Newcastle-on-Tyne, 2
T.11.

GLANOID

FLAVOURED

ESSENCE O
RENNET

RASPBERRY, STRAWBERRY,
LEMON, ORANGE,
VANILLA

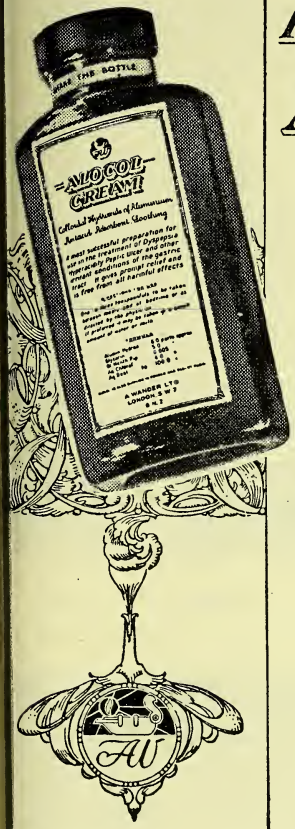
1 OUNCE BOTTLES
sufficient for 8 pints of Junket

RETAIL
2/3
PER BOTTLE

SUPPLIES AVAILABLE

WITH ONE OR TWO EXCEPTIONS THE RETAILER'S DISCOUN
ON ARMOUR MEDICINAL PRODUCTS IS 33⅓%.

THE
Armour Laboratories
(ARMOUR AND COMPANY LTD.)
LINDSEY STREET · LONDON · E.C.1
Telephone - - - CLERKENWELL 9011
Telegrams - "ARMOSATA-PHONE," LONDON



Introducing
ALOCOL Cream

Now making Alocol available in 3 convenient forms

ALOCOL, the well-known brand of Colloidal Aluminium Hydroxide, is now obtainable as a stable and palatable cream, thus presenting, with Alocol Powder and Alocol Tablets, three convenient ways of administering Alocol to meet every condition and preference.

Alocol Cream—equally with Alocol Powder and Tablets—is a most effective antacid for the neutralisation of hyperacidity in the treatment of dyspepsia, peptic ulcer and other conditions which irritate the gastric tract.

Alocol Cream- like Alocol Powder & Tablets- has these Advantages:

- Owing to its high reactivity it quickly neutralises excess acidity.
- It has a reserve of neutralising power and can thus control for a prolonged period the gastric acidity at the level most conducive to healing.
- It does not produce alkalisation nor a condition of alkalosis.

ALOCOL CREAM is supplied in bottles of 9 fl. oz.

A. WANDER, LTD.
5 and 7
Albert Hall Mansions,
London, S.W.7.

Laboratories, Farms, and Factory:
KING'S LANGLEY, HERTS.

On the P.A.T.A.

Retail Price: **4/8½** including Purchase Tax
Trade Price: **33/9** plus Purchase Tax

This is one of Pierre Pagès delightful drawings for Atkinsons nation-wide advertising under the title "Today in Bond Street."

BY APPOINTMENT
PERFUMERS TO H.M. THE KING
J. & E. ATKINSON LTD.

Fashion news is headline news. That is why Atkinsons advertising campaign for their Gold Medal Eau de Cologne is attracting so much attention. This delightful fashion series, "Today in Bond Street" is catching the eye of millions of women through the National Press and Magazines. The drawings, by Pierre Pagès the eminent Parisian artist, emphasize the fashionable appeal of Atkinsons Gold Medal Eau de Cologne.

ATKINSONS

GOLD MEDAL

EAU DE COLOGNE

J. & E. ATKINSON LIMITED, 24 OLD BOND STREET, LONDON, W. 1

AET 4-1062

Richard Daniel & Son Ltd

PROPRIETARIES
SUNDRIES DRUGS
TABLETS & PILLS

FOR CHEMISTS

Manufacturing Chemists

Head Office & Works Mansfield Road Derby Telephone 4266 (3 lines) Branch Warehouse Grosvenor St. Ashton-under-Lyne Telephone 2816 (2 lines)

Thomas Waide & Sons Ltd
KIRKSTALL HILL LEEDS 5
PRINTERS AND LITHOGRAPHERS for over 60 years

Specialists in the production of

MULTI-COLOURED LABELS
SEALS on metal or paper
CARTONS · SHOWCARDS

We carry an extensive range
of STOCK-LABELS for
MEDICAL & PERFUMERY TRADES

Specialized Artists are at your Service

from John O'Groats to Penzance

and from China to Peru..

comes the same story "The Days of Easy Selling are over" but

Rexall

CHEMISTS

are leading the way in tackling retail problems of today

1 By cashing in on their Personal Service. Do you ever stop to think why people pass shops selling the same article at the same price to buy from you?

2 By smartening up window shows and making mass displays of packed goods for the household medicine cabinet and home necessities.

3 By telling the people in their community that they have *adequate* stocks at standard prices of pharmaceutical products, nursery requisites and surgical goods—that means local advertising, newspapers or cinema, *regularly*.

4 By having a weekly sales talk with the staff—setting a quota and discussing practical ways and means of reaching the figure set for them.

Do not imagine that high P.T. alone is responsible for recent sales resistance in some districts—articles *not* subject to Tax and *not* "seasonable" are in the same category in many districts—but *someone* is getting the business. Why, Why, Why not *you?*

Martin Daniels
REXALL DRUG COMPANY LTD.
NOTTINGHAM

M & W

TABLETS
LOZENGES
CAPSULES & PILLS

FOR HOME & EXPORT MARKETS

Qualified pharmaceutical supervision throughout manufacture ensures full therapeutic activity, accuracy of dosage and elegant finish. Customer's own ingredients can be processed. Own name formulæ a speciality

Proprietors of 'SUDEX' SENNA PODS AND OXYDOIN OINTMENT

50 YEARS OF SERVICE

MATTHEWS & WILSON LTD

6 & 8 COLE ST. LONDON, S.E.

Telephone: HOP 2147-

Telegrams: Pilleolum, Sedr London

Worth selling!

P.A.T.A.

FENOLIN FLUID

ELDON Vaporiser

Licoricine FOR COUGHS AND COLDS

FOR WHOOPING COUGH

HALL FORSTER & CO. LTD.,
NEWCASTLE UPON TYNE

KOKO FOR THE **HAIR**

The **HAIR TONIC** and **DRESSING** with **50** years' reputation

Unsurpassed for—

- PROMOTING GROWTH
- STOPPING FALLING HAIR
- CLEARING DANDRUFF
- NON-GREASY
- DELIGHTFULLY PERFUMED

Stocks available at Wholesalers.

KOKO MARICOPAS CO. LTD., 3, FLEET LANE, E.C.

Have you built up YOUR stocks?

Be ready for the coming season and take advantage of the increased profits offered by this popular quick-selling line.

ESõBAN Cream OF CALAMINE

In 4-oz. bottles 2/9 inc. Tax.

Through all CF *Wholesalers*

Show material will be sent direct on request.

SPECIAL BONUS OFFER

14 to the doz. 6 doz. and over
13 to the doz. 3 doz. and over
For a two weeks' window and counter display
DISCOUNT 33⅓%

THON LABORATORIES, LTD., 88 UPPER RICHMOND ROAD, LONDON, S.W.15

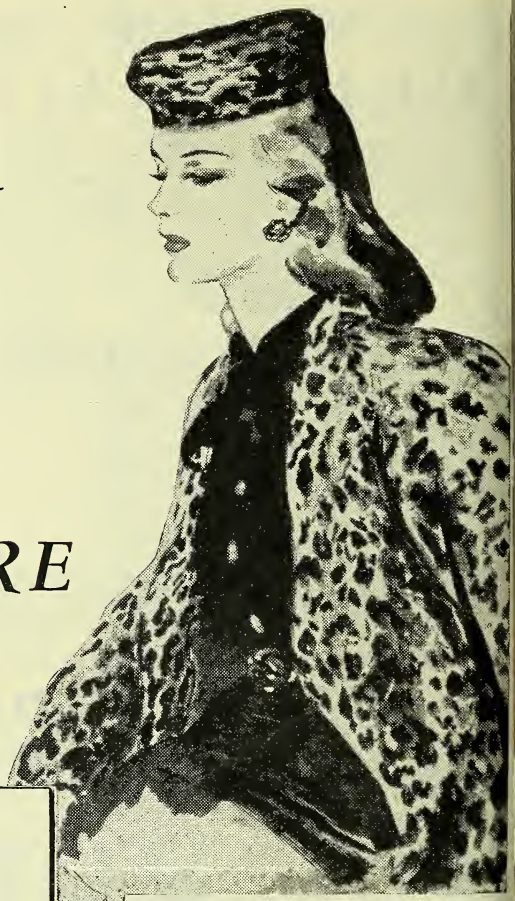
THE RELIABLE
Edosan
ALL ELASTIC SANITARY BELTS
OSAN LTD. 189. CARLTON VALE. LONDON NW6.

GROUND
DRIED YEAST
MIDGLEY & PARKINSON, LTD.
WARREN WORKS, PUDSEY, LEEDS

MILLAMALT
The VITAMIN MALT FOOD
Sole Manufacturers With Vitamins (A. 6,500 I.U., D. 400 I.U. per fl. oz.)
JEFFREYS, MILLER & CO. Ltd. Leyland Mills, WIGAN, London Dept.: 19 Brookside Rd. N

ANGLIAN SURGICAL DRESSINGS CF SANITARY TOWELS NORVEX
SPECIAL OFFER
FIRST AID CASE IN HEAVY BLACK METAL
FOR UNDER 50 PERSONS 16/6 ea.
WRITE CROSSKILLS' OF NORWICH
PHONE 20954

Less to spend on beauty *means more* *SNOWFIRE SALES*



NEW SNOWFIRE packs are colourful, lovely — and all feature this silhouette. Display them — for new customers, more cosmetic profits!

As you know, women are spending their money much more carefully these days. So customers are more than ever interested in Snowfire beauty preparations with their charming new packs and their famous fine quality. No wonder more and more women are buying Snowfire! Be sure your stock of Snowfire beauty preparations is ready for the growing demand.

F. W. HAMPSHIRE & CO. LTD., SUNNYDALE, DERBY.

'AVLON'
MILD SILVER PROTEINATE B.P.C.

not only conforms to the official specification, but in its physical characteristics it offers advantages which are of first importance in dispensing practice.

- **Less Hygroscopic.** It does not become damp or coheren during weighing.
- **Easily Soluble.** Solution in water is readily effected at the usual concentrations.
- **Elegant Appearance.** Small glistening scales.

Issued in containers of 25 grammes. Trade Price 5/6 plus tax.

Literature and further information available on request from your nearest I.C.I. office — London, Bristol, Manchester, Glasgow, Edinburgh, Belfast and Birmingham.

MPERIAL CHEMICAL [PHARMACEUTICALS] LTD.
A subsidiary company of Imperial Chemical Industries Ltd.) **MANCHESTER**

Ph.269

This is not just another dry cleaner . . .

because if the directions are closely followed it will definitely clean off spots and grease marks, tar, pitch and paint etc. . from the coarsest to the finest of fabrics. It is a NON-inflammable Product.

A READY SELLER

Scrubb's
DRY CLEANER

SCRUBB'S CLOUDY AMMONIA
NOW IN FULL SUPPLY

CHEMICAL & NATURAL PRODUCTS LIMITED,
WIMBLEDON FACTORY ESTATE, LONDON S.W.19.

STURGE CITRIC ACID

JOHN & E. STURGE
LIMITED
1 WHEELEYS ROAD · BIRMINGHAM 15
Manufacturers of Fine Chemicals since 1823

HEWSOL

Brand Trade Mark

THE PERFECT GERMICID
FOR THE HOME

Hewsol has a high bactericid value, and is non-poisonous a non-irritating

In white glass bottles of 4 and 8 fl. ozs. packed in counter display as illustrated.

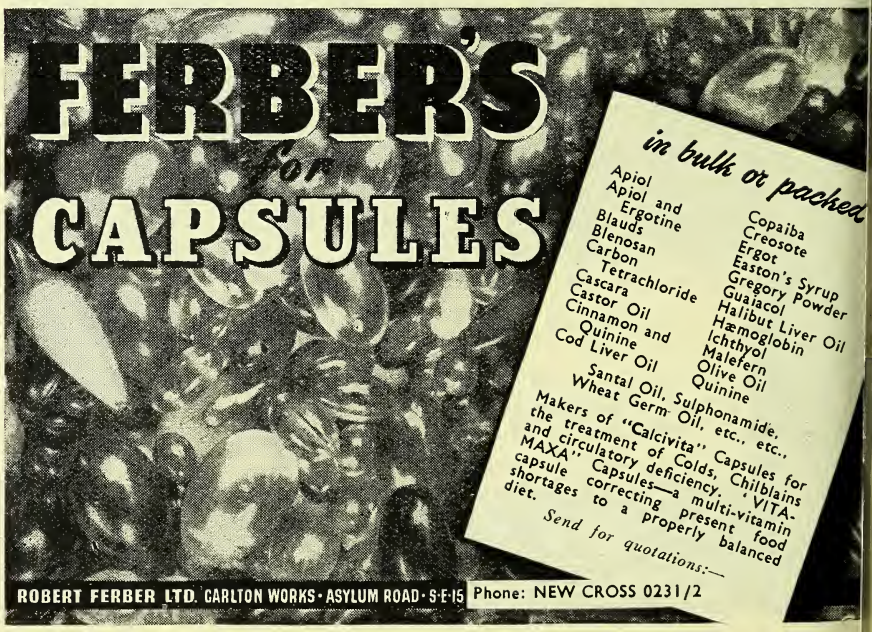
RETAIL PRICES:
4-oz. 1/4; 8-oz. 2/3
inc. Purchase Tax.

C. J. HEWLETT & SON, LT

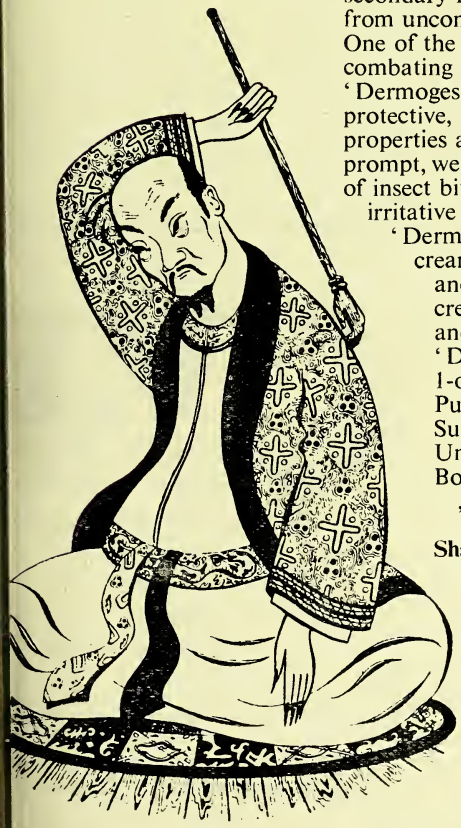
Manufacturing Chemists

35-43, Charlotte Rd., London, E.C

also at 48, CARSTAIRS STREET, GLASGOW, S.



the Chinese Back-Scratcher is out of date . . .



Yes, hopelessly out of date . . . because regardless of how popular and self-satisfying the Chinese back-scratcher may be . . . it is no guard against secondary infection which frequently results from uncontrolled scratching.

One of the safest and most effective methods of combating pruritus is the application of 'Dermogesic' Analgesic Calamine Ointment. Its protective, astringent, anæsthetic and analgesic properties arrest the desire to scratch and bring prompt, welcome relief from the distressing torment of insect bites, summer prurigo and many other irritative skin conditions.

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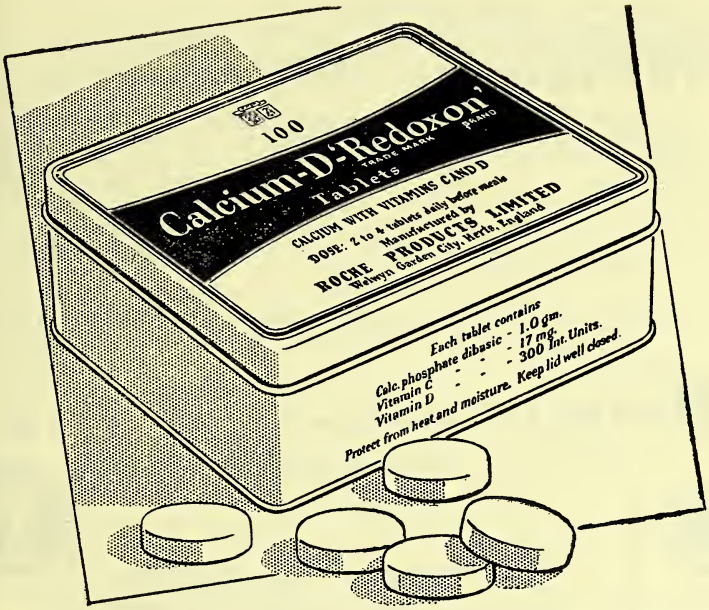

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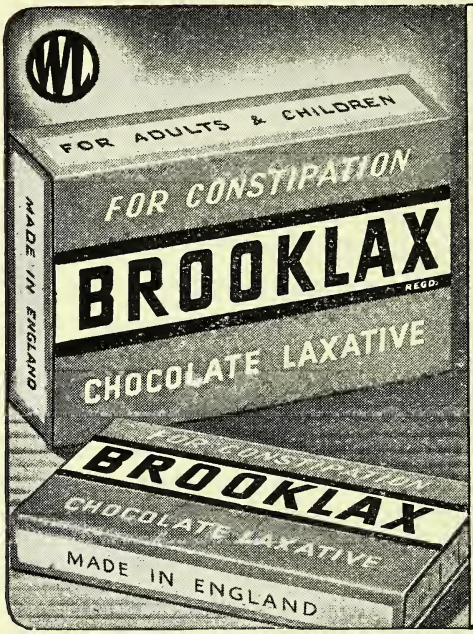

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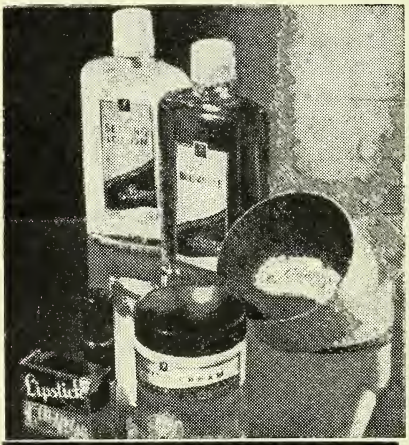

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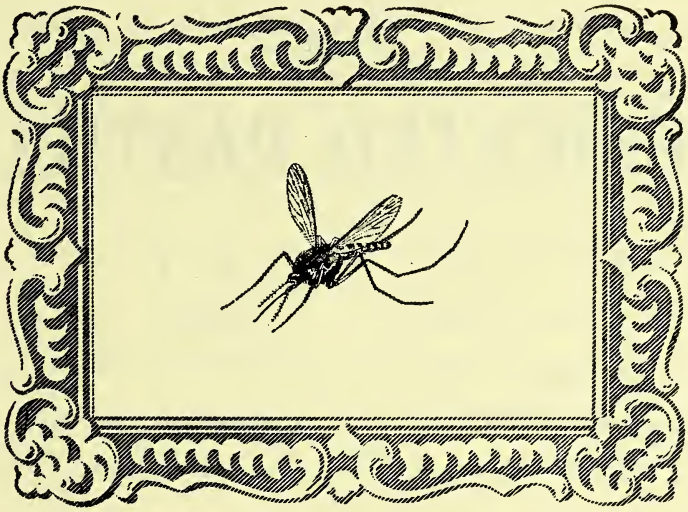

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for RETAILER — WHOLESALER — MANUFACTURER

JUNE 19, 1948

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No. 3565 Volume CXLIX

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NEWS OF THE WEEK

Meetings of Statutory Committee.—The Statutory Committee of the Pharmaceutical Society is to meet at 17 Bloomsbury Square, London, W.C.1, at 11 a.m., June 23 and 24 to consider (1) a complaint concerning the conduct of a member of the Society; (2) the conviction of a member for feloniously receiving goods known to be stolen or unlawfully obtained; and (3) a complaint concerning the dispensing of a prescription and the conduct of a member. The opening of the inquiries and, unless the Committee otherwise directs, the hearings, are to be in public.

Special Pricing Arrangements.—The following arrangements for submitting National Health Insurance prescriptions for pricing during the period June 1—July 4, 1948, have been announced by the Ministry of Health:—(1) Pharmacists under contract with Insurance Committees having pricing arrangements with the East Anglian Joint (Pricing of Prescriptions) Committee, the North of England Joint Insurance (Prescriptions) Committee, the Joint Committee for Pricing Prescriptions (South-eastern Division) and the South-western Joint Pricing Committee should forward prescriptions for the whole period June 1—July 4 to the appropriate pricing bureau in one bundle not later than July 7. (2) Pharmacists under contract with other Insurance Committees should submit prescriptions for the period in two bundles: (a) for the period June 1—27, not later than June 30; and (b) for the period June 28—July 4, not later than July 7.

N.H.S. TERMS DECISION

THE findings of the adjourned conference (June 17) of delegates from local Pharmaceutical Committees and branches of the National Pharmaceutical Union are of such importance that special arrangements have been made to include the decisions in this week's pink Supplement. To do so has meant some delay in publication, and for this we ask the indulgence of subscribers.

Paper Handkerchiefs Tax-free.—Paper handkerchiefs are among a number of items from which the Chancellor of the Exchequer has removed purchase tax. The exemption applies to goods delivered to retailers on or after June 16; no rebate can be claimed for tax paid on existing stocks.

Scientific Photography.—Fellows of the Chemical Society have been offered facilities to attend meetings of the scientific and technical group of the Royal Photographic Society on payment of an annual subscription of 5s. Particulars are available from the secretary of the group, 16 Princes Gate, London, S.W.7.

Sheep Dip Manufacturers' Association.—The following officers of the Association of British Sheep and Cattle Dip Manufacturers have been appointed for 1948:—*Chairman,* Mr. D. O. Marshall (Osmond & Sons, Ltd.): *Vice-chairman,* Mr. V. G. Gibbs (William Pearson, Ltd.); *Treasurer,* Mr. W. E. O. Walker-Leigh (Cooper, McDougall & Robertson, Ltd.).

Insurance Reciprocity with France.—Under an agreement signed in Paris on June 11 between the British Minister of National Insurance and the French Minister of Labour and Social Security, insured persons moving from one country to the other are generally to keep the rights to social insurance benefits acquired in the first country, or to acquire corresponding rights in the second.

1951 Festival of Britain Plans.—The first meeting of a council, which, under the chairmanship of Lord Ismay, is to supervise arrangements for a Festival of Britain celebrating the centenary of the Great Exhibition of 1851, was held in London on May 31. The festival, to be in progress throughout Great Britain from May to September, 1951, is to include a central exhibition in London illustrating British contributions to the arts, science and technology.

Exporters' Problems. — At the annual meeting of the National General Export Merchants' Group on June 10, Mr. F. Hickinbotham, J.P., said that world trade was reverting to a competitive basis. Overseas buyers were showing resistance to high prices and delays in delivery, and competition was being experienced from the United States and from European countries, including even Germany. Continuance of the "cost-plus" mentality would be fatal to the prospects of British exporters in the new situation.

LOCAL NEWS

Bristol Students' Visit. — A party pharmacy students from the Mercha Venturers' Technical College, Brist visited the Glaxo Laboratories, Lt Greenford, recently.

Isle of Thanet Branch.—The followi officers of the Isle of Thanet Branch the Pharmaceutical Society were elected May 24:—*Chairman,* Mr. D. Midgle Margate; *Vice-Chairman,* Mr. A. F. Ta lor, Ramsgate; *Secretary,* Mr. H. Duckett, 33 Upper Dane Road, Margat

Outing to Southend.—The directors ar staff of James Burrough, Ltd., Cale Dist lery, London, S.E.11, held their annu outing on June 9, travelling by coach Southend-on-Sea. Mr. E. L. Burrou presided at lunch, and "The Company was proposed by Mr. J. Scott.

London Chemists' Golf.—At a meeti of the London Chemists' Golfing Socie at Brookmans Park, Herts, on June 9, t 4711 prize (medal competition) was w by Mr. J. H. Redfern (8) 77 and t Harker, Stagg & Morgan prize (bog competition) by Mr. A. Whitman (6) —

Chemists at York Show. — The Yo Chemists' Association has arranged to ha a marquee at the Royal Agricultur Show, York, July 6-9, as a reception ar rest centre for visiting pharmacists ar doctors Representatives of the Associ tion will be present to welcome visitor and light refreshments will be available.

Shop Hours in Central London.—T recently published interim report of fou teen committees set up in 1946 to consid the staggering of working hours in centr London includes a recommendation th a shop-closing time later than 5.30 p.n would result in a spreading of peak passe ger traffic by allowing workers in the are to shop before making their homewar journeys.

Rhymney and Sirhowy Officers.—Th following officers of the Rhymney an Sirhowy Valleys Branches of the Pharma ceutical Society and the National Pharma ceutical Union have been elected for 194 49:—*President,* Mr. S. L. Rosenbaum, Ba goed, Glam; *Treasurer,* Mr. W. R. Morga Rhymney, Mon; Secretary, Mr. A. J. Bal will, 36 High Street, Llanbradach, Glam.

Aberdare Chemists' Golf.—The fourt open summer golf meeting of the Abe dare and Merthyr Branch of the Pharma ceutical Society was held at Abernant

Aberdare, on June 3. The winners were as follows: Open competition (men): 1, Mr. M. Kenshole, Aberdare (69); 2, Mr. M. Owen, Aberdare (70). Ladies' open competition: 1, Mrs. Gregory, Aberdare (76); 2, Mrs. H. Davies, Aberdare (79). North Glamorgan silver challenge cup presented by Evans Medical Supplies, Ltd.), Mr. J. Phillips, Pontypridd (68); runner-up, Mr. C. R. Dickens, Swansea (73). Representatives' tankard (presented by Ucal, Ltd.), Mr. D. D. Thomas (91); runner-up. Mr. J. Jones (99). Mr. H. Noel Thomas (chairman and secretary) presided at the distribution of prizes, which was followed by a social evening. Messrs. D. L. E. Evans, F. J. V. Haverson, J. E. T. Jones, H. C. Thomas and R. H. Sleeman acted as stewards.

Ceremony at Birdsgrove House.—Members of the Manchester Branch of the Pharmaceutical Society visited the Society's convalescent home, Birdsgrove House, on June 13 to take part in a formal presentation of two fireplaces donated by the branch in memory of the late Mr. J. H. Franklin. Professor H. Brindle (chairman, Manchester Branch) introduced Mr. T. Miller (secretary) who paid a tribute to Mr. Franklin before "handing over" the fireplaces to Mr. H. C. Shaw (president of the Society). A vote of thanks was proposed by Mr. E. Cronin (president, Manchester Pharmaceutical Association). One fireplace, in the dining-room, is of brick, specially chosen to be in keeping with the red floor; the second, in the lounge, is of stone, and, in the words of the warden (Miss M. C. Jones), "admirably suits the mullioned windows and stonework of the house. It is of very pleasing design and has vastly improved the lounge."

N.H.S. Terms Discussed.—The Ministry of Health's amended offer of remuneration to contractors under the National Health Service (see p. 799) was discussed at a meeting of the South-east London Branch of the National Pharmaceutical Union on June 14, Mr. P. G. Flood in the chair. Resolutions were passed urging (1) That the payment for rota work was inadequate, however the amount was distributed between early-closing days, Sundays and bank holidays; (2) that the supplementary fee of 3d. for D.D. prescriptions was completely inadequate; (3) that chemists' cheques should be sent by a fixed date each month, with a penalty for delay equivalent to the interest the amount would have earned in the Post Office savings bank; (4) that scripts, when they had been priced, should ultimately be returned to the contractor. Mr. C. J. Strong, 158 Trafalgar Road, Greenwich, London, S.E.10, was elected *Acting Secretary* of the Branch.

Walthamstow Annual Meetings. — When the Ministry of Health's "final" offer was discussed at the annual meetings of the Walthamstow Pharmaceutical Association and N.P.U. Branch on June 1, it was agreed that the proposed dispensing fee of one shilling per prescription should be a minimum, not an average. The arrangements for payment for containers were generally approved, though several members suggested that at least the cost price should be paid by the Ministry, and one member pointed out that a wide-mouthed 8- or 16-oz. bottle, in which to dispense a compound powder, now cost at least eightpence. The meeting resolved to send forward a motion asking for rota service to be paid for at the rate of £1 1s. per hour. Mr. A. Woollard asked whether the doctor or the pharmacist would have to fit trusses and surgical appliances, and whether double fees would be payable on prescriptions dispensed outside rota hours.

Therapeutic Advances Reviewed.—Reviewing recent advances in medicine at a meeting of the Dartford Branch of the Pharmaceutical Society on May 31, Dr. G. R. Boyes (Allen & Hanburys, Ltd.) discussed the use of massive doses of calciferol in the treatment of lupus vulgaris and rheumatoid arthritis, and the administration of large doses of α-tocopherol in certain heart conditions. He referred to work done on the therapeutic uses of the vitamin B complex and on the isolation and investigation of folic acid, pointing out that a preparation called vitamin B_{12} had been isolated recently from concentrated liver extract. He said caution was necessary in the preparation and use of di-isopropyl-fluoro-phosphonate, as it had been found to be an inhibitor of cholinesterase; in its action the drug resembled eserine and neostigmine, but was more toxic. An 0.1 per cent. solution in oil, as eye drops, was used for reducing tension in glaucoma, and an intramuscular oily injection was used for the treatment of paralytic ileus and myasthenia gravis. Encouraging results had been obtained in the use of streptomycin in tuberculous meningitis in children and in acute miliary tuberculosis; the small quantities at present available were costly. Experimental work was progressing in the extraction and

application of the soil antibiotics, aerosporin and chloromycetin. Dr. Boyes paid a tribute to the British workers who had introduced British Anti-lewisite (B.A.L.), used in peace-time in the treatment of metallic poisoning, and to others for the isolation and purification of *d*-tubocurarine from curare. After the lecture the chairman (Mr. L. G. Murphy) gave an account of the recent Branch Representatives' meeting.

SCOTTISH NEWS

Scottish Company's Staff Outing.—For their first post-war outing, the staff of Pinkerton, Gibson & Co., Ltd., Edinburgh, with their families, were the guests of the directors on a coach tour of Perthshire recently.

Scottish Health Services Council.—Dr. David McCall (assistant resident secretary in Scotland of the Pharmaceutical Society) and Mr. C. G. Drummond, Edinburgh, have been appointed pharmacist members of the Scottish Health Services Council set up to advise the Secretary of State for Scotland on matters affecting the National Health Service.

Scottish Chemists' Bowls.—There was a record attendance when the annual competition for the Ayrton trophy was held by the Scottish Chemists' Bowling Association in Glasgow on June 2. The trophy was won by the rink skipped by Mr. F. B. Gray, and the West of Scotland defeated the East by 115 shots to 72. The following were the results (skips' names only): Mr. A. McLennan, 17; Mr. J. Hall, 14, Mr. D. M. Dick, 22; Mr. D. Bernard, 12; Mr. F. B. Gray, 19; Mr. J. H. Tainsh, 5; Mr. W. Peebles, 19; Mr. J. B. McLaren, 16; Mr. J. W. Logan, 23; Mr. P. Nisbet, 13; Mr. J. Sheddon, 15; Mr. A. Scott, 12. At the annual meeting of the Association the following officers were appointed: *President,* Mr. J. W. Logan; *Vice-president,* Dr. Aitken; *Secretary* and *Treasurer,* Mr. W. Peebles, 110 Springfield Road, Glasgow, S.E.

Scottish N.H.S. Negotiations. — At a meeting of the General Council of Panel Chemists held in Edinburgh on June 9, Mr. F. W. M. Bennett in the chair, a letter was read from Dr. J. Tait announcing his resignation as secretary. Mr. W. S. Culbert (vice-chairman), in making a presentation to Dr. Tait (see also p. 789), referred to his long and valuable services. Dr. David McCall was appointed *Interim Secretary.* The Pharmaceutical Gener Council (which is to replace the Gener Council of Panel Chemists under th National Health Service) was constitute as follows: *Chairman,* Mr. F. W. M. Be nett, Arbroath; *Vice-Chairman,* Mr. W. S Culbert, Airdrie; *Interim Secretary,* D David McCall. Mr. Bennett then ga to the joint meeting of the two Counci a full report of negotiations which ha taken place with the Department of Healt on remuneration under the Nation Health Service. The meeting endorse the action of the Pharmaceutical Stan ing Committee (Scotland) and empowere it to negotiate further for improve terms. It was agreed that all contractin chemists in Scotland should be recom mended not to sign a National Health Se vice contract until they had receive advice and information from the Gener Council.

Medical Exhibition, Glasgow. — At medical exhibition held in St. Andrew Halls, Glasgow, June 7-11, the followin manufacturers displayed pharmaceutic or medical products: Allen & Hanbury Ltd., London, E.2; Armour Laboratori (Armour & Co., Ltd.), London, E.C.1 Bayer Products, Ltd., London, W.C.2 Boots Pure Drug Co., Ltd., Nottingham Brand & Co., Ltd., London, S.W.8 British Schering, Ltd., London, W.1 Burroughs Wellcome & Co., Londo N.W.1; Ciba Laboratories, Ltd., Ho sham; Crookes Laboratories, Ltd., Londo N.W.10; Cyanamid Products, Ltd., Lon don, W.C.2; Evans Medical Supplie Ltd., Liverpool; Genatosan, Ltd., an British Chemicals & Biologicals, Ltd. Loughborough; Glaxo Laboratories, Ltd. Greenford; Hanovia, Ltd.. Slough, Bucks C. J. Hewlett & Son, Ltd., London E.C.2, and Glasgow; Imperial Chemical (Pharmaceuticals), Ltd., Manchester; Kay lene, Ltd., London, N.W.2; Eli Lilly & Co., Ltd., Basingstoke; J. F. Macfarlan & Co., Boreham Wood, Herts, and Edin burgh; Moore Medicinal Products, Ltd. Aberdeen and London; H. R. Napp, Ltd. London, W.C.2; Organon Laboratories Ltd., London, W.C.2; Oxo, Ltd., London E.C.4; Parke, Davis & Co., Hounslow Pharmaceutical Specialities (May & Baker) Ltd., Dagenham; Roche Products, Ltd., Welwyn Garden City; Sandoz Products, Ltd., London, W.1; Sharp & Dohme, Ltd., Hoddesdon; Vitamins, Ltd., London, W.6; Ward, Blenkinsop & Co., Ltd., London, W.1; John Wyeth & Brother, Ltd., London, N.W.1.

TOPICAL REFLECTIONS

The Testing of Prescriptions

Writing before June 17, when the conferences of delegates from branches of the National Pharmaceutical Union and of representatives from Pharmaceutical Committees are to be resumed, it would be useless for me to offer any observations on the proceedings of the conferences held on June 3 (p. 760). Only those who have given sustained attention to an intricate problem for weeks or months at a time know how that problem becomes a part of their lives and ultimately brings a mental and perhaps a physical weariness. Unstinted praise is due to the team who have conducted on behalf of chemists in business the recent negotiations with the Ministry of Health. I should like to refer briefly to a matter affecting the National Health Service, a matter raised at the recent monthly meeting of the N.P.U. Executive though not, apparently, at the conferences on June 3. Your report on p. 770 states that the Executive examined a draft scheme, submitted by the Ministry, for testing "drugs and appliances," and *inter alia* considered that the scheme implied reflection on professional standards. I trust that this point will be energetically pressed. Testing of N.H.S. medicaments should be uniform for pharmacies, doctors' surgeries and hospitals. Any other arrangement involves a favouritism that should be rejected with ridicule. Accurate dispensers, knowing that they have nothing to fear from accurate analysts, can regard with equanimity any fair system of testing their own work. If the system adopted is unfair, there should be a strenuous fight to have it changed.

A Silver Jubilee

The twenty-fifth annual meeting of the British Chemical and Dyestuffs Traders' Association (p. 771) is an event that in normal times would have been celebrated with rather more ceremony; for the work of the Association occupies an important place in the mercantile community. It was on May 12, 1923, that you announced the fusion, after negotiations, of the British Chemical Trade Association with the Chemical and Dyestuffs Traders' Association, the leaders of those organisations becoming chairman and vice-chairman respectively. In an editorial comment you remarked: "With Government restrictions in the form of prohibitions and import duties a strong protection society is essential." (The trade seems to have got back to much the same position in 1948). A glance through your volumes for that half-year and the next two shows that the Association quickly justified its formation by putting its members in possession of up-to-date information on such subjects as railway rates, Board of Customs regulations, and Key Industry Duty. Of equal importance was its policy of making representations to Government departments when the need arose. The speech of the chairman (Mr. Victor Blagden) at the first annual meeting was a good example of determination to uphold the rights of the Association in every field, and not least when they involved a contest. This spirit is, I do not doubt, as active in the Association today.

Displaced Foreign Pharmacists

No part of the agenda at the June Council meeting of the Pharmaceutical Society (p. 767) was more important, I suggest, than the report on an international conference concerning the settlement of displaced persons. While British people are always willing to take up their traditional rôle of Good Samaritans, the Council of the Pharmaceutical Society has a special responsibility to the qualifications it sustains and to British subjects who possess them. There is not much risk of qualifications being "diluted" by the admission of foreign pharmacists, if it takes place; an appropriate examination will preserve the rights of pharmacists then on the Registers. The possible danger, as I see it, arises from the introduction into the British community of people with various kinds of family life, education and outlook. The Society's examiners will see to it that foreign candidates know enough about British weights and measures, official standards and so forth. But who will guarantee that on registration these newly qualified pharmacists will settle down as loyal citizens in what, for most of them, may be a little-known society? When reading correspondence from overseas I am occasionally checked by some phrase that in a flash reveals a surprisingly alien background. The help of foreign-born pharmacists may be desirable in existing circumstances in Britain, but much tact will probably be requisite in fitting them into our system.

Xrayser

COMPANY NEWS

TRINITY PHARMACIES, LTD. (P.C.). — Capital £3,000. To carry on the business of chemists, druggists, etc. Norah J. Murphy, director. R.O.: 46 Trinity Road, Tooting, London, S.W.

MARSH BROOKS, LTD. (P.C.).—Capital £3,000. To carry on the business of manufacturing chemists, etc. James March, sen., James Marsh, jun., M.P.S., and Gertrude E. Marsh, directors. R.O.: 170 Bridgeman Street, Bolton.

G. GOULDING (CHEMISTS), LTD. (P.C.).—Capital £5,000. To carry on the business of wholesale or retail chemists, etc. George Goulding, M.P.S., and Henry J. Pimm, M.P.S., directors. R.O.: 20 Glebe Farm Road, Birmingham, 25.

WALTER GUIVER (HATFIELD), LTD. (P.C.)—Capital £4,000. Dealers in and manufacturers of cameras, cine-cameras, plates, films, chemicals and all photographic equipment, etc. Walter Guiver, 261 Chellwood Avenue, Hatfield, Herts, director.

M. & G. SHELDON (CHEMISTS), LTD. (P.C.).—Capital £1,000. To carry on the business of manufacturers of chemicals, cleaning materials, drugs, medicines, etc. Michael Sheldon and Mrs. Gertrude Sheldon, directors. R.O.: 46A Finsbury Square, London, E.C.2.

T. HARRISON & CO., LTD. (P.C.). — Capital £5,000. To acquire the business of essential oil distillers carried on by Frederick Harrison and Rowland Harrison (directors of the new company) at Burnley House, Burnley Road, Willesden, London, N.W.10.

T. HASSARD, LTD. (P.C.).—Capital £2,000. To acquire the business previously carried on by John Stephen Aitken at Main Street, Newtownstewart, and to carry on the business of wholesale and retail chemists, etc. Thomas Hassard and William Albert Hassard, directors.

WM. SALMON & CO. (STOCKTON), LTD. (P.C.).—Capital £1,500. To acquire the business of chemists carried on by Wm. Salmon and Thos. Stokoe at 62 Norton Road, Stockton-on-Tees, as "W. Salmon & Co." Wm. Salmon, M.P.S. (chairman), and Thos. Stokoe, M.P.S., directors.

K. A. THIEL, LTD. (P.C.).—Capital £50,000. To acquire the business carried on by K. A. Thiel, Ltd. (incorporated in 1939), at 2 York Villas, Brighton, and elsewhere. Stanley S. Howard, M.P.S., Mrs. Gwendolen M. Howard and Eric A. Jensen, M.P.S., directors.

ENDALE PHARMACY, LTD. (P.C.).—Registered in Belfast. Capital £1,500. To carry on the business of chemists, druggists, etc. Robert Murtagh, Robert A. Murtagh, M.P.S.N.I. and Raymond Houston, directors. R.O.: 124 Cavehill Road, Belfast.

REYNOLDS & BRANSON (RETAIL), LTD. (P.C.).—Capital £2,000. To acquire the business of retail chemists and druggists, suppliers of orthopædic and surgical appliances and instruments, etc., being part of the business now carried on as Reynolds & Branson, Ltd., at 13 Briggate, Leeds. First directors are to be appointed.

GAYS (LIVERPOOL), LTD. (P.C.). — Capital £5,000. To carry on the business of wholesale or retail chemists and druggists, etc. Alfred S. Williams, George A. Young, James A. Jones, M.P.S., Ronald D. L. Williams and Harold N. Williams, directors. R.O.: Cavendish House, Waterloo, Liverpool.

WILKINSON HIGH FREQUENCY, LTD. (P.C.).—Capital £1,000. To acquire patents and inventions and to carry on the business of chemists, druggists, manufacturers of proprietary articles and of chemical apparatus, etc. Francis E. Wilkinson, Cecil B. D. Fox, Violet H. Fox and Mrs. Lilian A. Bevan, directors. R.O.: Walsingham House, Seething Lane, London, E.C.3.

GREEFF-CHEMICALS HOLDINGS, LTD.—Aggregate profit of operating company and subsidiaries for 1947 amounted to £97,162, against £55,561. A final ordinary dividend is recommended of 8 per cent., plus bonus of 5 per cent., making 17½ per cent., the same as in the previous year.

BUSINESS CHANGES

MR. B. A. WILLIAMS, M.P.S., has acquired the pharmacy at 286 High Street, Brentford, Middlesex, formerly carried on by M. S. N. White, M.P.S.

MR. JAMES S. TROUP, M.P.S., has acquired the pharmacy at 431 George Street, Aberdeen, formerly carried on by Mr. W. G. Mitchell.

MR. J. W. CROOKES, M.P.S., is shortly opening a pharmacy at 30 Market Place, Grantham, Lincs.

KORAY, LTD., have transferred their offices to Golden Mile Works, Bridgend, Glam (Telephone: Bridgend 821).

GREENFIELD CO-OPERATIVE SOCIETY, LTD., have recently opened a pharmacy at 72 Chew Valley Road, Greenfield, nr. Oldham.

BOOTS, LTD., have acquired the pharmacy in High Street, Saxmundham, Suffolk, formerly carried on by Mr. S. L. Gray.

SALTASH DISTRICT MUTUAL CO-OPERATIVE AND INDUSTRIAL SOCIETY, LTD., have opened a pharmacy department at 103 Fore Street, Saltash, Cornwall.

THE THERAPEUTIC RESEARCH CORPORATION OF GREAT BRITAIN, LTD., is removing on June 21 to 42 Gower Place, London, W.C.1 (Telephone: Euston 4477). Miss M. G. Brittain is the acting secretary of the corporation.

CIBA LABORATORIES, LTD., Horsham, Sussex, have recently appointed the following representatives: South-west London and Surrey, Mr. W. Atkinson, M.P.S.; West Country, Mr. C. J. Crook, M.P.S.; West London, Berkshire and Oxfordshire, Mr. A. S. Meatchem, M.P.S.; East Anglia, Mr. H. H. Crohill, M.P.S.; West Midlands and Derbyshire, Mr. T. L. Brinton, M.P.S.; Liverpool and Cheshire, Mr. B. H. Mitchell, M.P.S.; Mid-Lancashire, Mr. J. B. Bartle, M.P.S.; North Lancashire, Westmorland, Cumberland and Dumfriesshire, Mr. D. Whittaker, M.P.S.; North and East Ridings and North Lincolnshire, Mr. K. Stewart, M.P.S.; West Scotland, Mr. G. M. Muckart, M.P.S.; Northern Ireland, Mr. N. H. Smyrell, Ph.C.

THE WEEK IN PARLIAMENT

By a Member of the Press Gallery, House of Commons

Mr. J. Rankin drew the attention of the Secretary for Scotland on June 8 to a shortage of streptomycin in Glasgow and other parts of Scotland. Mr. Arthur Woodburn replied that supplies of streptomycin were still limited, but the allocations to the five treatment centres in Scotland had recently been increased by almost 70 per cent. The number of hospital beds in use would be increased as supplies became available.

Nitrogenous Fertilisers

Mr. R. De la Bere asked the President of the Board of Trade on June 8 to explain why, in view of the acute shortage of fertilisers for farmers in all parts of the country, substantial quantities of fertilisers were being shipped to the continent. Mr. J. W. Belcher replied that nitrogenous fertilisers were allocated internationally by the Food and Agriculture Organisation; the shipments referred to were part of Britain's commitments under that allocation. Much of the material was in the form of ammonium nitrate, which was not suitable for use by U.K. farmers.

Medicines and Purchase Tax

During discussion of the Finance Bill in Committee on June 9, Mr. R. H. Turton moved an amendment to exempt animal medicines from purchase tax. He said that a human patient was able to avoid having to pay purchase tax by using the British Pharmaceutical Codex, with its rather long descriptions of drugs, but a farmer was unable to get a prescription every time an animal was ill. He had to buy branded preparations; he usually had to buy these medicines "not from a chemist at all but from the local grocer, because he lived a long way from the market town where he could get the medicine from the chemist." It would be undesirable if farmers were forced away from branded sheep dips or disinfectants, for example.

Sir Stafford Cripps replied that the Government could not give animals preference over the human beings. The matter had been dealt with by giving lists of exempted subjects. Part V of the Purchase Tax No. 1 Order set out a long list of animal medicines, while a large number of known common remedies, such as iodine, which were used for animals as well as human beings, were exempt if they complied with conditions laid down in Part II of the Schedule. The amendment was negatived.

During discussion of Part II of the Schedule, dealing with purchase tax, Mr. Niall Macpherson declared it to be absurd to require that the name and address of the maker, seller, supplier and distributor of the goods should be in letters not more conspicuous than the title from the monograph. The distinction was made throughout between drugs mentioned in the Pharmacopœia or National Formulary and advertised drugs. Once the distinction had been made there was a danger that it would be adhered to indefinitely. Reputable firms, he said, did not advertise a drug unless they had confidence in its quality. Most advertising was done to the medical profession and he would have thought that provided the medical profession was prepared to give its support to a drug, then it did not matter whether it was advertised to the consumer or not. That whether a drug was advertised to the public by a distinguishing mark should determine whether it had to pay purchase tax or not was untenable.

Sir Stafford Cripps replied that he would take the matter back for discussion and see whether before the report stage they could find a form of words to distinguish between undesirable and desirable drugs. "Some of these drugs are desirable and some are undesirable. We will before the report stage look into this matter and make any suggestion we think necessary with regard to the form of the words."

Mr. York moved an amendment to exempt disinfectants and detergents from purchase tax, and Mr. Douglas Jay (Economic Secretary to the Treasury) replied that not all disinfectants were subject to purchase tax. Disinfectants that made no claim to be antiseptics were not charged with it. The Treasury had power to exempt by order certain kinds of disinfectants by reference to their medical content if there was a sound reason for so doing. Sir Stafford Cripps said there was a misunderstanding about the situation. The part of the Schedule dealing with medicines and drugs did not apply to disinfectants used for washing out a cowhouse. Unless the substance was recommended by the maker as indispensable for animate bodies, it would not fall within this category of drugs at all.

DEATHS

ASLETT.—On June 5, Mr. Raymond Alfred Aslett, M.P.S., 54 Lincoln Road, West Worthing, Sussex. Mr. Aslett qualified in 1917.

BELL.—At 120 West End Road, Morecambe, Lancs, on June 4, Mr. James Thomas Bell, Briar Dene, St. John's Road, Morecambe, aged eighty-three. Mr. Bell qualified as a chemist and druggist in 1897.

GIBSON.—At his home in Belfast, on June 9, Mr. Thomas William Gibson, for many years senior commercial representative of Thomas McMullan & Co., Ltd., wholesale druggists, Belfast. Mr. Gibson joined the company in 1896, and completed fifty years' service before retiring.

HODGSON.—At the Redhill Hospital, Edgware, on June 9, after a short illness following an operation, Mr. A. G. Hodgson, toilet-brush sales manager of G. B. Kent & Sons, Ltd., 24 Old Bond Street, London, W.1. Mr. Hodgson, who joined the staff of the company at the age of fourteen, remained for thirty-five years, throughout which he held the respect and confidence of his colleagues and of an ever-widening circle of associates throughout the brush-making and allied trades.

JAMIESON.—On April 16, Mr. John Elder Jamieson, M.P.S., 101 Commercial Street, Lerwick, aged fifty-three.

LAMB.—On April 25, Mr. William Henry Lamb, Ph.C., 14 Hanover Square, Sheffield, 3, aged seventy-six.

LAWSON.—Recently, Mr. Geoffrey Lawson, M.P.S., 4 Harris Street, Eastbourne, Darlington, co. Durham. Mr. Lawson qualified in 1939.

PRICE.—On June 14, Mr. Arthur Henry Price, M.P.S., 15 Waterfall Lane, Blackheath, Birmingham, a director and son of the founder of A. S. Price & Co., Ltd., wholesale and manufacturing chemists, 181 High Street, Blackheath, aged fifty. Mr. Harold Smith, M.P.S., writes:—The death, at the early age of fifty years, of Harry Price, as he was affectionately known to his many friends in business, will come as a great shock, and his loss will be felt greatly by all who knew him. Those who were privileged to work with him were constantly reminded of his intellectual achievements and his ready willingness to help anyone. Even during the late war, when his business commitments were a heavy burden, he did not hesitate to place his services at the disposal of the Home Guard, and he wa Intelligence Officer for the 40th Soutl Staffs Battalion. He lived for his wor and enjoyed it. His interest never flagge even when he was suffering through ill health. The writer considers it an honou to have been his personal assistant durin the past two and a half years.

SHAW.—At 95B Hamilton Terrace London, N.W.8, on June 14, after a pro longed illness, Mr. F. C. Oscar Shaw, formerl of Sevenoaks, aged fifty-eight. Mr. Shav was formerly a director of The British Dru Houses, Ltd. Mr. H. A. Berens writes:— The sudden death of Oscar Shaw—or Osca as he was universally known to his man friends throughout the world—came as sudden shock. Those of us who are hi contemporaries must suddenly feel older for to his friends he always seemed so mucl younger than his age—his greatest charm was probably his boyishness and lov of enjoyment. Yet behind this apparen youthfulness was a keen and alert mind which embraced every phase of the world wide and world-famed business of which h ultimately became managing director. I was Oscar Shaw who, by personal visit throughout the British Empire, was chiefl responsible for the opening up of the B.D.H companies overseas. He lived to see th fruits of his untiring work brought t fulfilment.

WILLS

MR. W. GEDDES, M.P.S., 144 Mid Street, Keith Banffs, left £11,301.

MR. J. IRVINE, M.P.S., Bradford Road, Shipley Yorks, left £17,484, with net personalty £16,903

MR. A. E. COVERDALE, Ph.C., 68 Broad Street Worcester, left £16,875 (£12,367 net).

MR. H. WOOD, M.P.S., Quarry Bank, Lightcliff Road, Brighouse, Yorks, left £477.

MR. R. CLEAVE, Ph.C., Aire Street, Knottingley Yorks, left £8,580 (£8,500 net).

MR. J. A. A. HIND, M.P.S., 30 Harcourt Road Kibworth, Leics, left £10,272 (£10,213 net).

MR. F. E. BATTERSHILL, M.P.S., Braunton Devon, left £16,226 (£16,136 net).

MR. F. D. HOWELL, M.P S., 412 Limpsfield Road Warlingham, Surrey, left £3,459 (£2,785 net).

MR. J. H. BATLEY, M.P.S., 3 Wightman Street Bradford, left £11,371 (£11,242 net).

MR. W. PARKER, M.P S., Ravenswood, Springfiel Road, Leicester, formerly in business at South Wig ston, Leics, left £12,160 (£11,329 net).

MR. F. S. HODGES, M.P.S., St. Michaels, Annan dale Avenue, Worle, Weston-super-Mare, lef £3,634 (£3,570 net).

MR. A. HEAP, retired pharmacist, 13 Rile Avenue, Lytham-St.-Annes, Lancs, left £19,38 (£19,040 net).

PERSONALITIES

Bailie Arch. Robertson, J.P., M.P.S., Hamilton, has been elected president of the Hamilton Rotary Club for the year.

Mr. Joseph Tait, M.R.C.S., L.R.C.P., Ph.C., who has been a member of the Pharmaceutical Society's staff in Edinburgh for many years, and the resident secretary in Scotland since 1936, is to retire on July 31. In appreciation of his services the Council made him a presentation, at Dr. Tait's last attendance at a Council meeting in London, of a gold watch. Dr. Tait is also retiring from the secretaryship of the General Council of Panel Chemists, Scotland, and received a presentation (see p. 784) from that body at its meeting on June 9. Dr. Tait qualified in 1900, and passed the Pharmaceutical Chemist examination in 1905. He was the winner, in 1903, of an analytical tournament organised by The Chemist and Druggist, and in 1905 was awarded the medal for advanced organic chemistry at the Heriot-Watt College, Edinburgh, and a first-class certificate in organic chemistry. After qualifying he gained extensive experience of pharmacy in retail business, at the Edinburgh Royal Dispensary, and in the Scottish office of the Society. In 1922 he secured his Conjoint medical qualification and the following year obtained the Edinburgh Diploma in Public Health. Dr. Tait was assistant secretary of the Society for some years before becoming resident secretary, and also practised medicine. He has represented pharmacy on the Consultative Council on Medical and Allied Services of the Department of Health for Scotland. In 1942 he was elected a fellow of the Royal Society of Edinburgh.

Mr. J. Kerr Wilson, M.P.S., 27 Linkside, Finchley, London, N.12 (a representative of Duncan, Flockhart & Co.) has been elected vice-president of the London Perthshire Association for 1948-49.

Mr. William Low, M.P.S. (secretary, Durham County Pharmaceutical Committee) has been appointed a member of No. 9 Group Hospital Management Committee by the Newcastle-on-Tyne Regional Hospital Board.

Mr. Stanley K. Harris, M.P.S., 164 London Road, Kettering, Northants, has been elected a Fellow of the Royal Meteorological Society. Mr. Harris, who qualified in 1936, served during the 1939-45 war in the meteorological branch of the Royal Air Force. He is now manager of one of Mr. R. D. Silver's shops in Kettering.

Mr. William Roden Roberts, M.P.S. (chief inspector to the Pharmaceutical Society of Great Britain) has been called to the Bar at Gray's Inn. Mr. Roberts, who was apprenticed at the Royal Albert Edward Infirmary, Wigan, was for several years secretary of the Halifax Branch of the Pharmaceutical Society. He went to Halifax as an assistant to the late Mr. Gibson Dixon, and was afterwards in turn a manager and group manager for Taylors Drug Co., Ltd.

INQUESTS

Pharmacy Student's Suicide. — At an inquest, at Westminster, recently, on a twenty-five-year-old pharmacy student who was found dead in a London park, a pathologist stated that death was due to phenobarbitone and morphine poisoning. The dead man had had access to the drugs during his studies. The coroner returned a verdict that the student had committed suicide while the balance of his mind was disturbed.

Cyanide Accident.—A verdict of accidental death was recorded at a Nottinghamshire inquest recently on a laboratory assistant who died from cyanide poisoning in the laboratories of Boots Pure Drug Co., Beeston, Notts, where he was employed, the jury adding to the verdict a rider that dangerous chemicals should be kept under stricter supervision even though assistants were frequently warned about handling them. A colleague stated that the man asked for an antidote for cyanide poisoning, and was given a mixture of ferrous sulphate and sodium bicarbonate. He died later, however. He had been removing silver nitrate stains with cyanide. A pathologist who made the post-mortem examination said that the dead man must have thrown some cyanide residue down the sink and inhaled the prussic acid gas released.

TRADE NOTES

Prepared Wheat Germ.—C.V.B. (Carr's vitamin B_1) prepared wheat germ is distributed exclusively through chemists. The manufacturers are Carr's Flour Mills, Ltd., Carlisle. Trade terms are given on another page.

Addition to Range. — Benadryl antihistamine agent is now available in a solution for parenteral use in 10-mil rubber-capped vials of a 10-mgm.-per-mil solution. The makers are Parke, Davis & Co., 50 Beak Street, London, W.1.

Fungicidal Medicaments. — Phytodermine fungicidal cream, in plastic-topped glass jars, and dusting powder, in sprinkler-topped tins, have been added to the range of specialities issued by May & Baker, Ltd., Dagenham. Both products contain methyl-p-hydroxybenzoate and salicylic acid, and are intended for the treatment or prevention of conditions such as athlete's foot.

Valuations for Pharmacists. — Evans Medical Supplies, Ltd., Speke, Liverpool, 19, state that they have now full-time valuations officers operating both from the head office at Speke and from the London office. Early application should be made for the services of these officers, as bookings are heavy.

Leg Make-up.—Damaskin leg make-up, a new preparation claimed to last for days after application and not to streak, spot or run, is available through the distributors, S. Maw, Son & Sons, Ltd., Aldersgate House, New Barnet, Herts. Messrs. Maw are also able to supply an illustrated showcard for Quick-tan, another Damaskin product.

Articles in Plastic. — British Celanese, Ltd., 22 Hanover Square, London, W.1, manufacturers of Celastoid sheeting and moulding powders, supply the material, and are not the makers of finished articles. Examples of Celastoid-constructed goods illustrated in a recent issue of the *C. & D.* included an electric deaf-aid—in fact the Bonochord civic hearing aid manufactured by Allen & Hanburys, Ltd., London, E.2—and not as there described.

Film-strip Projectors. — A sixteen-page illustrated two-colour booklet entitled "Film-strip Projectors—Their Use in Education and Industry," has been issued by the cine section of the Photographic Dealers' Association, 46 Bloomsbury Street, London, W.C.1. The booklet describes the apparatus and its purpose, illustrates commercially available models, and gives a table of lens charts. A foreword recommends readers to get in touch with local photographic dealers. Copies are available at a nominal charge to members of the Association.

Marketing in the United States. — To assist exporters in popularising British brand names in the United States, two London advertising agencies (S. H. Benson, Ltd., and Mather & Crowther, Ltd.) have combined to form a new American advertising, selling and market research agency: Benson & Mather, Inc., 17 East 49th Street, New York City. Special attention is to be paid by the agency to new clients to ensure success in the early stages. The promoters point out that no less than seven American advertising agencies are established in London and their activities have contributed largely to the wide sale in this country of American branded goods. The new agency—a move in the opposite direction—proposes to perform the same service for British firms in the U.S. Further information may be obtained from the British representative of the new agency, Mr. Guy Mountford, Brettenham House, London, W.C.2.

Anti-tuberculosis Exhibit.—In a display at the Provincial Hospitals, Nursing and

Public Health Exhibition and Conference held in Birmingham during the Spring Herts Pharmaceuticals, Ltd., Welwyn

Garden City, Herts, depicted the history of the chemotherapeutic attack on tuberculosis leading up to the production of para-aminosalicylic acid, which the company issues as Paramisal. Specimens of the pure drug and its sodium salt were on show; together with granules and tablets for oral administration and solutions of the sodium salt in ampoules for injection.

Proprietary Articles Trade Association

Alterations to Protected List (Part 1).—*A. Wander, Ltd.*, Wander brand malt and oil, 1-lb., 19s. 9d. doz., 2s. 2½d.; 2-lb., 36s. doz., 4s. Wander brand malt extract, 1-lb., 18s. doz., 2s.; 2-lb., 33s. doz., 3s. 8d. (all exempt from tax).

Alterations to Protected List (Part 2).—*John Bell, Hills & Lucas, Ltd.*, Halibut oil and malt with colloidol iron, 1-lb., 26s. 6d. doz., 3s. 2d.; 2-lb., 50s. doz., 6s. (exempt from tax).

Rybar Laboratories, Ltd., Rybarvin inhalant (now exempt from tax), ½-oz., 60s. doz., 7s. 6d.; 1-oz., 108s. doz., 13s. 6d.; 4-oz., 34s. each, 51s.

John Steedman & Co., Steedman's soothing powders, £2 2s. parcels. Orders from retailers for minimum parcels of two doz. 3s. 6d. or half-doz. 14s. size (or assorted), invoiced at rate of 21s. and 84s. per doz. respectively, plus tax.

Faulconers Worm Powders, 8s. 3d. doz., tax 33⅓ per cent., i.r.p. 1s. 3d.

Allen & Hanburys, Ltd., Allenburys rusks in cartons holding 8 oz. net, 12s. 9d. doz., 1s. 4d. (exempt from tax).

Additions to Protected List (Part 2).—*Culmak, Ltd.*, Culmak pure badger, 30, shaving-brush, 197s. 6d. doz., tax 33⅓ per cent., i.r.p. 30s.; Culmak best badger, 84, 550s. doz., tax 33⅓ per cent., i.r.p. 84s.

Halex, Ltd., Summer display allowance: On each order for two doz. Zote sponges, six sponges free and purchase tax paid in return for fourteen days' window display; offer available until July 31.

St. Andrew Mills, Ltd., Toilet rolls: Samaritan, 56s. 11d. gross, tax 33⅓ per cent., i.r.p. 8d.; Marvo, 67s. 9d. gross, tax 33⅓ per cent., i.r.p. 9½d.; Stanex, 83s. 7d. gross, tax 33⅓ per cent., i.r.p. 1s.; Andrex, 89s. gross, tax 33⅓ per cent., i.r.p. 1s. 0½d.; Androl, 94s. gross, tax 33⅓ per cent., i.r.p. 1s. 1½d.

Stemco, Ltd., Flit with DDT, 8-oz., 13s. doz., 1s. 6d. (exempt).

Modern Electrical Industries (Southern), Ltd., 9 Hatherley Road, Sidcup, Kent. Warmabed de Luxe electric blankets, double, £6 16s. 2d. each, tax 33⅓ per cent., inclusive retail price, £11 5s. 2d.; single, £4 10s. 8d. each, tax 33⅓ per cent., i.r.p. £7 9s. 11d.; junior, £2 13s. each, tax 33⅓ per cent., i.r.p. £4 7s. 8d. each, less 3¾ per cent. for cash in seven days.

Deletions from Protected List (Part 2).—*Dymuth Ltd.*, Dymuth tablets and DDT powder.

Hudson's Beauty Products, Hudson's vegetable leaflets.

Kilol, Ltd., Kilol rusk concentrate.

Perox, Ltd., Perox dentifrice.

Trille Laboratories, Ltd., Trille shampoo.

TRADE LITERATURE

"Shop," a quarterly issued by William Mason & Son, Ltd., Gelderd Road, Leeds, 12, is described as "the magazine for busy business people engaged in retail selling." It is handsomely produced on art paper, and fully illustrated.

The technique of hormone implantation, now in its infancy, but for which an important future in endocrine therapy is predicted, is the subject of a 20-page booklet (including six of references) issued by Roussel Laboratories, Ltd., 95 Great Portland Street, London, W.1.

Industrial dermatitis is discussed in a gilt-titled, stiff-bound 32-page booklet "Skin Protection in Industry," issued by Rozalex, Ltd., 10 Norfolk Street, Manchester, 2. The information is presented in a form designed to be of assistance to managements of factories in which there is no full-time medical officer. The publishers state that they had had the help of many professional people in compiling the book, and that it covers the ground fairly completely and without bias. Copies will be posted free of charge to responsible executives who apply for it on business notepaper.

The publicity division of May & Baker, Ltd., Dagenham, continues to turn out a succession of medical booklets. Among recent issues are "The Acridine Antiseptics" (second edition, 32-page colourful cover) and booklets on the company's specialities Anthisan (second edition, 6-page) pyranisamine maleate; Chlorbismol (second edition, 12-page) bismuth oxychloride injection; Gardenal (twelfth edition, 20-page) phenobarbitone; Planocaine (fourth edition, 32-page) procaine hydrochloride (chapter on general anæsthesia with intravenous procaine has been entirely re-written).

A recently issued publication from the sales department of the Crookes Laboratories, Ltd., Park Royal, London, N.W.10—"Nutrition in Athletics and Sport" is made especially topical in view of the Olympic Games in Britain this summer. The two-colour 16-page booklet deals attractively with vitamin foods and preparations. The company has also issued an "Atlas of Posture Chart" with illustrations taken from a 24-page booklet "Growing Up—a book of adolescence. Both are designed to be of assistance to those who have growing children in their care. Copies are available for chemists who write in for them.

A PENICILLIN-INJECTION DEPARTMENT

By B. J. Thomas, M.P.S.

SINCE penicillin was released for sale to the public in June 1946, there has been a T.S.A. licence at the Vere Street pharmacy of Allen & Hanburys, Ltd., to dispense aqueous injections for intramuscular, intravenous and intrathecal use, and oily injections of the beeswax-in-arachis-oil and the beeswax-ethyl-oleate type for intramuscular injection. The experience gained and the obvious scope which a T.S.A. licence affords, should encourage other pharmacists who may be considering whether to take out a licence to take the plunge. Capital is needed for this new development and it involves ploughing back some of the profits into the business. Once the installation is completed, the pharmacist is equipped, not only for making penicillin injections, but also for preparing other injection solutions. He is ready, also, to deal instantly with new antibiotics such as streptomycin as and when they are released for general use.

A pharmacist who contemplates taking out a T.S.A. licence has first to write to the Ministry of Health, from which, in turn, he receives a questionnaire.

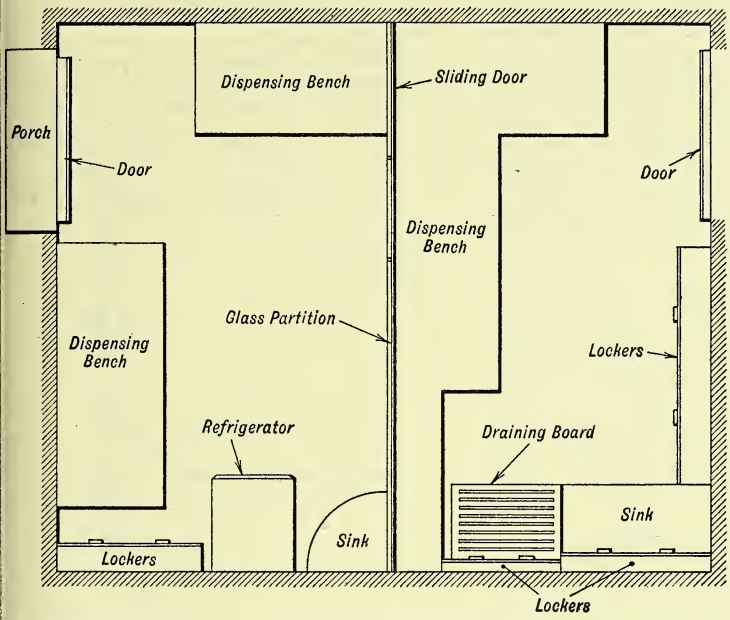
He is required to submit a detailed plan of the aseptic area he proposes to provide, giving dimensions and location. By describing our own aseptic area and equipment I can, I think, provide answers to the long list of questions outlined in the questionnaire.

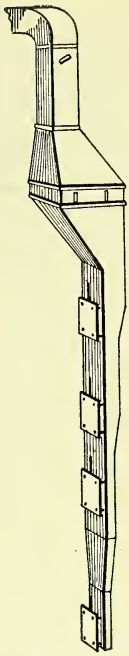
Aseptic Area

An aseptic chamber has to be built. Most pharmacists are short of space. Providing the necessary space could be found, the aseptic area should be located at some distance from the retail counter, which must be considered a dusty public thoroughfare. Space may sometimes be found at one end of the dispensary, or a spare stock-room may be available for conversion. Unless the aseptic area is located in a "back-water," where the menace of dust is reduced to a minimum, the chamber should be provided with a porch, to serve as a dust-trap and prevent dust from being drawn inwards. In constructing the aseptic chamber, ledges and shelving are to be avoided. Three sides of our own room consist of a wooden framework bearing glass panels, the fourth being a stone wall to which is attached a group of lockers. In the grooves where the glass meets the wood of the framework, rounded beading has been fixed. There are two benches. One of these rests upon a cupboard, the doors of which are plain and flush with the front of the bench. As a storage place for spare apparatus, etc., the cupboard is essential. The second bench is supported at one end by a bracket and at the other it is fixed to the wooden frame, the space below being completely free. The whole area, including the ceiling, is painted with a cream-coloured hard gloss paint which withstands the daily washing and cleaning. The floor covering consists of linoleum and this is scrupulously scrubbed each day. (A concrete floor would not be suitable because it exfoliates and slowly produces a fine dust.) A strip light provides illumination, but an alternative source of light, equally effective, would be one recessed in a cavity in the ceiling. It is essential to have a lighting fitment that is simple and without appendages that would collect dust: the normal type of reflecting lampshade, with its numerous ridges, is unsuitable, and taking the example to the extreme, a chandelier type of lighting would be ridiculous. One glass panel (see centre-line of sketch) has been arranged so that it can be moved, leaving, when opened, an aperture at bench level. The aperture leads into the adjacent "pseudo-aseptic" area and is a means of contact with this section, before and after the aseptic operation. In practice, this has been found a great asset because, between operations, it reduces the opening of the main door to a minimum. The so-called pseudo-aseptic area is used for the making of penicillin cream, and for prescription entries and label writing. The lockers previously referred to are used to house sterilised equipment ready for use.

Entrance to Aseptic Room

A porch has been erected, as will be seen from the sketch, and the side of this which leads into the main dispensary is closed with a plastic curtain. The door leading out of the porch into the aseptic room is automatically closed with a "self-closer," and it is fitted with lock and key operated from the inside. A mat, which is periodically dipped in a lysol solution, rests on the floor of the porch.





PLAN OF DEPARTMENT. Aseptic room is at left and " pseudo-aseptic " room at right. To right of diagram is sketch of air filtration apparatus

It will be seen from the sketch that a porcelain sink has been arranged in the corner of the room, the taps of which are wrist-controlled. The waste-pipe has been concealed and is therefore not capable of collecting dust. Many pharmacists with whom I have had discussions on T.S.A. plans have inadvertently omitted to install a sink. This is a great mistake, because the sink is one of the fundamental essentials of an efficient aseptic area. A stainless steel bowl fixed to a hinged device is provided below the open bench. It is used for empty cartons, penicillin vials, etc., and can easily be swung under the bench after use.

Steps have been taken to control the atmosphere by installing an apparatus that filters the air as it enters the room. Air is drawn from outside the building by means of an electric fan; it then passes through a filter. A positive pressure is thus attained that makes it difficult for air from the dispensary outside to find its way via the porch into the interior of the room. The air-filtration device, besides freeing the air from dust, gives much needed ventilation for the worker. An electrically operated Aerosol apparatus provides an additional means of controlling the atmosphere. The worker is in no way inconvenienced by the presence of the Aerosol particles, which consist principally of propylene glycol. With the combination of air filtration and Aerosol, we have achieved a good atmosphere. Incidentally, an atmosphere treated with the Aerosol alone has been found to be quite satisfactory.

Equipment

Since June 1946, we have tried aseptic screens of many types, but have found none so good as the one we are now using, made entirely of transparent plastic, which gives the worker the fullest amount of light, and the base is made of white opal plastic, which provides an ideal surface on which to work. The screen can be removed from the base by lifting it vertically, handles being arranged at either side for the purpose. A balance or other apparatus can, by lifting the screen, be placed inside. An aperture with a 2 in. diameter has been drilled in the top panel, and this is normally covered with a disc of plastic pivoted on an adjacent screw. When the aperture is opened, the screen can accom-

modate such pieces of apparatus as a burette stand, or, if necessary, a tall filtering or filling device which are found in hospitals where large volumes of penicillin solutions are prepared. In these circumstances the space surrounding the apparatus is closed with a plug of sterile cotton wool. In the front panel of the screen there are two oval arm-holes. A solution consisting of 10 per cent. of an antiseptic preparation in sterilised distilled water has been found efficient for spraying the inside of the screen before the aseptic operation is performed.

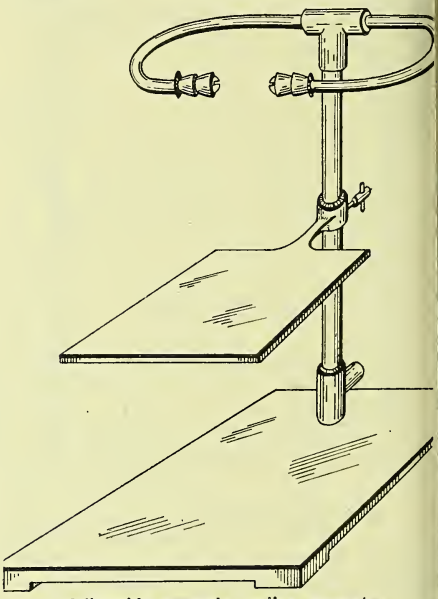
Although it is a small source of heat, the presence of an ampoule sealer is essential, and it serves not only as a means of sealing ampoules of various sizes but also can be used for flaming, when necessary, some of the utensils used in aseptic work. The refrigerator is located within the room. Although it is not necessary that it should occupy this position, it has been found that the placing is convenient.

Hot-air Oven and Autoclave

The hot-air oven and autoclave are located outside the aseptic room. If these were installed within the room, a considerable rise of room temperature would result, producing an undesirable state of affairs. They would also, as sources of heat, create convection currents of air. A thermostatically controlled oven is used for sterilising equipment, containers, various bases, powders, etc. The material to be sterilised in this way is arranged in a dressing drum and placed in the oven. When the sterilisation and subsequent cooling process are ended, the drum is closed while still in the oven and transference of the sterilised material to the aseptic room is thus made easy. In the same way dressing drums are used in the autoclave for material sterilised by moist heat.

A sterile gown and mask are worn by the operator when an injection of penicillin is being made.

An electrically heated steamer has been found most useful for steaming syringes that may be used for making preparations like the eye drops and ear drops of the N.W.F. Normally we have sufficient equipment sterilised in the autoclave or hot-air oven which is used for this type of work, but in an emergency, when our sterilised equipment might become exhausted temporarily and the autoclaves and hot-air oven were already in use, the steamer would prove most convenient for the types of preparations mentioned above. Incidentally, the steamer may be used for boiling for half-an-hour a bulk injection solution of a thermostable substance with a bactericide. It can also serve as a small water-bath. In conclusion, it is essential to point out that the pharmacist who possesses a T.S.A. licence has a great responsibility. Because he cannot sterilise penicillin solutions by the established methods which employ dry or moist heat, he has to be thoroughly familiar with the technique of aseptic work, and his methods must always be correct and no detail of procedure must be overlooked.



Adjustable ampoule sealing apparatus

Equipment and Sources of Supply

Air filtration: Keith Blackman, Millmead Road, Tottenham, London, N.17.

Aerosol apparatus: Aerosols, Ltd., 65 Old Brompton Road, London, S.W.7.

Aseptic screen: Allen & Hanburys, Ltd., London, E.2.

Ampoule sealer: Britton, Malcolm & Co., Ltd., 38 Southwark Bridge Road, London, S.E.1.

Hot-air oven: Griffin & Tatlock, Ltd., Kemble Street, Kingsway, London, W.C.2

Autoclave with dressing drum: Allen & Hanburys, Ltd., London, E.2.

Refrigerator (price varies considerably, depending on the capacity).

MIGRAINE AND ANTIHISTAMINICS

By an American Correspondent

M. T. and M. A. SCHNITKER ("Journal of the American Medical Association," 1947.135.89) have found that the sublingual administration of nitroglycerin in the form of soluble tablets is a satisfactory method for the experimental production of migraine headache in persons who are susceptible. Two tablets of 1/100 gr. of the drug are given, and between the second and fourth minutes the pulse rises, the blood pressure drops usually to below the resting level, and the patient complains of symptoms. If a patient's symptom has previously been localised to one area of the head, that area is usually the first to experience typical pain under the test. Relief is usually obtained by firm compression of the carotid artery on the involved side for one or two minutes. Alternatively the patient may be given 100 per cent. oxygen to breathe for five minutes, or a solution of 0.5 to 1 mgm. ergotamine tartrate intravenously. If the nitroglycerin test has reproduced the headache, good results have been obtained by treating the patient with gr. 10 calcium lactate twice a day, or ½ gr. phenobarbitone twice a day, and eliminating allergenic substances when possible (particularly coffee, chocolate, beans, peanuts and Coca-cola). Ergotamine tartrate, 2 to 4 mgm. under the tongue may be given.

An explanation of the effects of histamine in migraine suggested by G. L. Waldbott ("Journal of Allergy," 6.584 and "Journal of the American Medical Association," 1947.135.207) is that when an antigen to which a patient is sensitive enters his system, certain antibodies called "reagins" are formed which are responsible for the allergic reaction. Simultaneously a protective antibody may originate. Thus through the action of histamine the allergic wheal is formed on the skin in urticaria, in the nose and sinuses in hay fever, in the mucous membranes of the bronchial tree in asthma, and in cerebral structures in migraine.

The first effective histamine antagonist to be used clinically in America was Benadryl hydrochloride, but the value of the drug in migraine is questioned. L. S. Blumenthal and M. H. Rosenberg, for example, treated eleven patients with typical migraine headaches with the drug; in four the relief was pronounced, in two moderate, and five received no relief. All the patients had previously been relieved by the use of dihydroergotamine. Feinberg ("Journal of Allergy," 1945.296.16) states that antihistaminics have only a palliative function and do not replace the more basic and more lasting benefits obtained from allergic management by avoidance or desensitisation. Biro ("Praxis," Berne, 1947.36.840) states that histamine desensitisation should be effective in cases in which injection of histamine produces an attack of migraine. Antistin (2-N-phenyl-N-benzyl-aminomethyl - imidazolin), he found, was as effective as ergotamine tartrate in arresting attacks of migraine in patients in whom an attack could be elicited by injection of histamine. In some cases of unilateral cephalgia ("Journal of the American Medical Association," February 21, p. 538) surgical treatment is the last resort.

FIFTY YEARS AGO

"Rather Poisonous" Substances

(*From the C. & D., June* 18, 1898)

FOR many years the Privy Council have resisted all attempts to induce them to add carbolic acid to the schedule of poisons appended to the Pharmacy Act, notwithstanding that the Registrar-General has for a long time reported it to stand a long way ahead of any other substance in occasioning fatal results. In the 1885 Bill carbolic acid and the other substances named were made into a third part of the schedule, and it was intended that they should be labelled "Poison," but might be sold by anyone, and Lord Carlingford, the then Lord President, justified this method of treating them by explaining that the substances thus dealt with were only "rather poisonous." . . . Now we have the spectacle of the Privy Council, who cannot shut their eyes to the fact that the substances they are naming are the most dangerous articles known to commerce, treating them, and encouraging the public to regard them, as only "rather poisonous." For this must be the conclusion which the ordinary purchaser will draw. He will find certain poisons hedged about with all sorts of precautions, and only obtainable from certain properly trained vendors, and these others obtainable from any shop whatever, and this will certainly induce scant respect for the deadly powers of the latter.

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VOL. CXLIX JUNE 19, 1948 No. 3565

At the Dotted Line

ALTHOUGH, by making special arrangements involving delayed publication of this week's *C. & D.*, we have been able to put on record (in the pink Supplement) the decision of the resumed conference on National Health Service remuneration, the present comments are of necessity made before the delegates have met.

The conference has still the opportunity to recommend further modifications in the scheme of payments, but only on the condition that they do not increase the total cost to the Treasury. No decisions on details, however, must be allowed to confuse or impede the main decision—whether to accept or reject the offer (p. 799).

It is fairly obvious that a strong recommendation for acceptance will be made from the platform, since the alternative to acceptance is a direct approach by the Ministry to potential contractors. Whatever demerits the amended terms may have, it is obviously better to face them in unison rather than open the door to chaos within the profession.

Are the amended terms such as may be accepted? There will be no great enthusiasm for them. The basic fee of one shilling is unchanged, and it is by no means satisfactory. The amount fails to compensate for lost private dispensing in any business where this forms a considerable part of the total; it allows no margin to enable chemists to enlarge or improve their dispensaries where necessary; and it is particularly uneconomic in localities such as central London, where pharmacists may be compelled to resort, as at present, to other sources of turnover in order to keep going. Nevertheless, delegates will recognise that their negotiators acted promptly, vigorously, and to some purpose on the dictates of the June 3 conference. They have secured a number of special dispensing fees—at levels corresponding much more closely to those for "private" dispensing — for operations involving undue time or special skills (such as the making of suppositories, sterilisation, etc.). They have secured an extra threepence for D.D. prescriptions. Finally, they have had it established that every prescription includes payment for a container, whether or not a container is used, and that the present arrangements for ending loss from broken bulk of proprietaries, and for out-of-pocket expenses, continue. These provisions go some way to equalise remuneration between those chemists whose dispensing includes a high proportion of elaborate prescriptions and those who handle a larger number of simple mixtures. The delegates will be bound to appreciate, as the negotiators have done, that any basic fee must be in the nature of a compromise; to fix it at a level high enough to compensate fully the high-class dispensing type of business might make it excessive for other types. Any provision for structural alterations, moreover, should be entirely outside the dispensing fee, and no doubt the negotiators, who have made no mention of this aspect in the memoranda that have been submitted to the conferences, have ideas on the method by which such provision should be made. For these reasons we think, not merely that the conference will "sign on the dotted line," but that it will be wise to do so.

Having arrived at its principal decision, the conference will also have to make up its mind whether the proposed arrangements for the period between the end of National Health Insurance and the coming into operation of the new scheme of payments (the date of October 1 is mentioned) are satisfactory. Here again the negotiating committee has done good work in securing Drug Tariff fees plus 161.5 per cent., against the original offer of Tariff fees plus 150 per cent., and there is little doubt that the new figure will receive endorsement. There are two further questions to be

settled. The first involves a bitter disappointment that, on whatever basis it is rearranged, the payment for rota service is inadequate. While the 12s. 6d. per hour for Sunday and holiday work is an improvement, it will still not cover overheads, and it reduces to 7s. the rate for rota service on ordinary weekdays. The objection, on the other hand, is not sufficient to demand rejection of the whole scheme, and the remedy indicated is local action to reduce rota duties to an absolute minimum.

The second question involves a choice between two aspects of "flat rating" the majority of National Health Service prescriptions—the National Pharmaceutical Union scheme and the Ministry's alternative. The schemes are similar in principle.

Whatever the outcome of the conference, the members of the Negotiating Committee, and the officials of the N.P.U., on whom has fallen the bulk of the "donkey" work, deserve the warmest appreciation from all pharmacist contractors, whether members of the N.P.U. or not.

Extraneous Effects of the B.P.

In endeavouring to attain the "utmost possible level of completeness and accuracy," the British Pharmacopœia, 1948, produces effects not contemplated when previous editions were published. The prime object of all the Pharmacopœias, as set out in the preface to the British Pharmacopœia of 1867, has been "not so much the selection as the definition of substances which the physician requires." The ultimate intention is to afford those engaged in the preparation of medicines throughout the British Commonwealth of Nations a uniform standard and guide whereby the nature and composition of substances to be used in medicine may be determined. The 1948 B.P. has other—and side—effects. Acts, Rules and Regulations promulgated since 1932 accord a statutory status to B.P. monographs in the labelling, both of poisons (in 1933) and medicines (in 1941). The multifarious modifications in the new B.P., which epitomise the "incessant additions to knowledge" since 1932, fundamentally affect, therefore, the whole pharmaceutical industry. By September the enforcement of B.P. standards will be extended to practically all medicines supplied to the public on prescriptio or by private purchase, and the interven ing period is all too brief to give effec to the changes. The changes, moreover are complicated by extraneous problem to an extent which persons without acces to the 1948 B.P. are not as yet in a posi tion to appreciate.

An example is provided in the with drawal of official recognition from a medi cine of repute and widespread use, suc as Easton's syrup, of repercussions of kind, almost certainly, not anticipated b the compilers of the Pharmacopœia. O September 1 the instruction of Addendu VI that "Syrupus ferri phosphatis cu strychnina shall be dispensed or supplied becomes cancelled; presumably fron that date the Addendum VI preparatio can no longer be legally supplied as "Eas ton's syrup" unless specifically ordere "without quinine."

Another poser is presented by the in struction that ammonium bicarbonate i to be dispensed when ammonium car bonate is prescribed, since the two com pounds are not equivalent to one anothe in content of "ammonia." The questio arises whether a dispenser is expected t compensate for the relative deficiency o ammonia in the bicarbonate. It canno be taken for granted that both prescribe and dispenser are aware of the effect o alterations in the official requirements un til some time after they have been give statutory effect.

The instances given are simple example of problems peculiar to the present perio of flux and innovation in medical treat ment and standards. Only by a close stud in advance of the B.P. monographs ca the manufacturer hope to be forearme against untoward eventualities, and as th number of copies available is insufficien to meet requirements, an added import ance is taken on—for small manufacturer —by the "nutshell" summary of differ ences given in these columns each wee under the title "B.P. Changes a a Glance." If the details are "posted" t the relevant monograph in the B.P. 1932 or Addendum, the adaptability of th trade will no doubt, as in the past, over come difficulties caused by limited tim and shortage of advance copies.

PROBLEMS BEFORE CONFERENCE DELEGATES

At the resumed conference of delegates of Pharmaceutical Committees and N.P.U. branches on June 17 delegates were called upon to answer three questions. Their decisions are given in the Supplement (p. xlii)

ACTING on the June 3 conference resolution expressing dissatisfaction with the offer of the Ministry of Health, the negotiating committee reopened discussions with officials of the Ministry. They advanced in support of the claim for an "improved" offer "all possible facts and arguments," including the many points brought up at the conferences. The outcome is an amended offer, the details of which are set out below. To the amended offer the Ministry is prepared to consider further modifications that do not increase the total expenditure, but a rejection by the conference would lead to a direct invitation by the Ministry to potential contractors to make application for service on the terms of that offer. For that reason the National Pharmaceutical Union formulates three questions to which it seeks answers from the conference:—

1. Should potential contractors be recommended to enter into contract on the terms of the Ministry's amended offer, or to abstain from doing so?

2. Is the Ministry's proposal for payment during the "interim period," i.e. July 5 to October 1, acceptable, or is some other basis, within the financial limits involved in the Ministry's proposal to be preferred?

3. What method of "flat-rate" payment is acceptable as a basis for further negotiation with the Ministry, to operate after the "interim period"? (The "flat-rating" proposals are compared below).

The Amended Offer

The revised terms of the Ministry go into greater detail about special fees, but make no change in the "average" fee of one shilling. For TRUSSES AND SURGICAL HOSIERY payment would be on terms mutually acceptable to the negotiating committee and to the Institute of British Surgical Technicians and to such other organisations as have a direct interest in such supplies. For OXYGEN THERAPY EQUIPMENT payment would be at rates yet to be agreed, but substantially in excess of current Drug Tariff rates; they would provide for the supply of up-to-date therapy equipment.

The most noteworthy modification is in the inclusion of seven classes of "special" dispensing operations carried out extemporaneously, with the fees proposed for each:—

CLASS 1.

Sterile injections—multiple dose rubber-capped bottles Sterile powders ... ... Sterile liquids (e.g., liquid paraffin, glycerin) ... Sterile solids (e.g., paraff. molle alb.) ... ... Sterile penicillin cream, B.P., and sterile penicillin cream in non-official strengths ...	3s. 6d.
Sterile ampouled solutions up to six	3s. 6d.
seven to twelve ...	5s.
extra for each six or part of six	1s. 6d.
(Payment for the empty ampoules to be left for later decision).	
Sterile intravenous injections, 500 c.c., and over ...	7s. 6d.
General sterilisation fee, to cover items requiring sterilisation (e.g. gauze for ear-plugging) not provided for above	3s. 6d.

CLASS 2.

Eye-drops, oculenta and aqueous preparations of penicillin for external use (including inhalation and the non-sterile penicillin cream, B.P.)	2s.

CLASS 3.

Bougies and medicated tampons up to six	3s. 6d.
each extra six or part of six	2s.

CLASS 4.

Suppositories, pessaries, pastilles and soft gelatin capsules up to twelve ...	2s. 6d.
each extra twelve or part of twelve	1s. 3d.

CLASS 5.

(i) Pills, lozenges and tablet triturates, up to twenty-

four	2s. 6d.
each additional twenty-four or part	1s. 3d.
(ii) Effervescent granules, up to 4 oz.	2s.
each additional or part of 4 oz., extra	1s. 3d.
CLASS 6.	
Cachets, hard gelatin capsules, individually wrapped powders up to twelve ...	2s.
each extra twelve or part of twelve	1s.
CLASS 7.	
Blisters and plasters... ...	1s. 6d.
D.D.A. PRESCRIPTIONS.	
For each prescription an additional	3d.

Ingredients and Containers

The cost-plus-33⅓ per cent. basis of payment for ingredients is amplified to make clear that current Drug Tariff arrangements as to broken-bulk proprietaries, "out-of-pocket expenses," etc., will continue to apply. The Ministry rejects the claim for a 50 per cent. oncost on the ground that it would be incompatible at this juncture with Government policy on control of prices and profits, and with price-control legislation. The average allowance of 2½d. per prescription is to apply to every prescription whether it calls for the use of a container or not.

Rota Service

The Ministry will not make available any additional money for rota payment, but is prepared to reallocate the total amount to provide higher rates for service on Sundays, bank holidays and public holidays than for rota duty on weekday evenings. The reallocation proposed by the Ministry is to reduce the original standard hourly rate from 7s. 6d. to 7s. for weekdays, and to increase the hourly rate for Sundays, bank holidays and public holidays to 12s. 6d., but any other reallocation within the financial limits of the original offer will be considered.

In the interim period before any system of flat-rate pricing can be applied, payment is to be on the current Drug Tariff basis (with usual adjustments as cost prices change), with fees at the present basic Drug Tariff fees plus 161.5 per cent. (in place of the original offer of basic fees plus 150 per cent.).

"Flat-rating" Proposals

At the previous conferences, an outline was given of the alternative methods put forward by the N.P.U. and the Ministry of operating the principle of "flat-rating" as high a proportion as possible of all prescriptions. These have been prepared in full detail for submission to the conference. Neither could operate for about three months, and that time would be used to collect and collate statistical data on ingredient costs and "frequency" figures for the various classes of preparations.

PLAN A (MODIFIED N.P.U. SCHEME)

The plan is based on N.P.U. circulars U.L. 604 and 604a, but modified to meet

(a) the "average" dispensing fee of 1s., instead of the rejected 1s. 3d.

(b) the separate payment for container.

(c) the reduced ingredient cost resulting from the exemption of B.P., B.P.C. and N.(W.)F. drugs and preparations from purchase tax.

The plan would give the following "flat-rate" figures (subject to adjustment in the light of the investigation into average ingredient costs) for prescription forms comprising:—

One prescription	1s. 9d.
Two prescriptions	3s. 6d.
Three prescriptions	5s.
Four prescriptions	6s. 6d.
Five prescriptions	8s.
Six prescriptions	9s. 6d.

The flat rates would be increased by sixpence where the quantity ordered on the prescription exceeded the standard N.(W.)F. quantity for the particular class of medicament by 50 per cent., and by 1s., where the quantity exceeded the standard N.(W.)F. quantity by 100 per cent. or more. Prescriptions or prescription forms as a whole, on which the Drug Tariff ingredient costs of the medicaments ordered exceeded 66⅔ per cent. of the appropriate flat rate (after adjustment for quantities in excess of standard quantities) would fall outside the flat-rate and would be separately priced. Prescriptions for malt and oil, liquid paraffin, liq. iodi, and appliances ordered alone, would all be individually priced at Drug Tariff price, including 33⅓ per cent. oncost, plus 6d. fee. Prescriptions involving "special" extemporaneous dispensing, the supply of expensive proprietaries and the supply of trusses, surgical hosiery and oxygen therapy equipment would be individually priced.

For plan A the advantage is claimed that it is more in line with professional practice and does not involve arguments regarding the merits or value of dispensing different classes of medicaments. It has the disadvantage, however, that it may result in considerable variations in remuneration as between chemist and chemist. Chemists with low ingredient costs are favoured against those with higher costs. The present high average value of some chemists' prescriptions will be due to the prescriptions which would, under plan A, have to be priced out in detail.

PLAN B (MINISTRY'S SCHEME)

Under this scheme, the basis of which was outlined previously (see *C. & D.*, June 12, p. 762), the agreed payment per dose, etc., could not be arrived at until after detailed inquiry into drug costs and frequency of ordering of particular medicaments and classes of medicaments. The dispensing fees would be such as would provide, for:—

MIXTURES, an "average" of 1s. 3d. for mixtures as a class, with minimum average fees of 1s. 1d. for mixtures of sixteen doses or less; 1s. 4d. for twenty—twenty-four doses; 1s. 8d. for twenty-five—thirty-two doses; 1s. 10d. over thirty-two doses.

(Proposed fees within mixture class subject to adjustment in the light of investigations now in progress).

TABLETS, PILLS AND CAPSULES (non-extemporaneous), an "average" of 1s., adjusted within that average for varying quantities.

OINTMENTS, CREAMS AND PASTES, an overall "average" of about 1s., differentiating between non-extemporaneously and extemporaneously prepared ointments.

LOTIONS, MOUTH-WASHES, GARGLES, class "average" fee 1s.

LINIMENTS AND APPLICATIONS, class "average" fee 1s.

LINCTUSES, ELIXIRS AND MIXED SYRUPS, EAR AND NASAL DROPS, INHALATIONS, average fee 1s.

MALT AND OIL, KAOLIN POULTICE, INSULIN, GLUCOSE, PROPRIETARIES (including vial pack penicillin), 6d. for up to 5s. cost, 9d. for up to 10s. cost, 1s. for up to £1 cost, and an extra 3d. for each £1 or part, making an average of 8d. for the class.

APPLIANCES (excluding trusses and surgical hosiery), fee 4d.

The findings of the conference are given in the classified advertisement Supplement (p. xlii). Editorial comment, p. 797.

BIRTHDAY HONOURS

THE following names were included in the Birthday Honours list published on June 10: COLONEL SIR ALFRED WEBB-JOHNSON, Bart. (president, Royal College of Surgeons, England), *Baron*; MR. W. GILLIATT (president, Royal College of Obstetricians and Gynæcologists), DR. C. R. HARINGTON (director, National Institute for Medical Research), MR. G. HEYWORTH (chairman, Lever Brothers & Unilever, Ltd.), DR. C. N. HINSHELWOOD (Dr. Lee's professor of chemistry, Oxford), MR. H. E. G. WEST (managing director, Newton, Chambers & Co., Ltd., and associated companies), *Knights Bachelor;* DR. C. F. GOOD (principal medical officer, Insurance Medical Service, Ministry of Health), *Commander of the Order of the Bath;* DR. J. H. BIGGART (professor of pathology and dean of the faculty of medicine, Queen's University, Belfast), Messrs. C. KERSHAW (British Optical and Precision Engineers, Ltd.), and A. H. MATHIAS (chairman, Retail and Distributive Trades Conference), and DR. E. R. A. MEREWETHER (senior medical inspector of factories, Ministry of Labour), *Commanders of the Order of the British Empire;* Messrs. R. J. DIPPY (senior principal scientific officer, Ministry of Supply), J. A. SPEED (secretary, National Association of Insurance Committees), *Officers of the Order of the British Empire;* Messrs. R. F. ALDERTON (manager, Government sales division, Kodak, Ltd.), and W. A. WILLIAMS (joint secretary, Association of British Insecticide Manufacturers), who have been made *Members of the Order of the British Empire.*

Sir Charles Harington

Sir Harold West

B.P. CHANGES AT A GLANCE

(*Continued from* THE CHEMIST AND DRUGGIST, *June* 12, *p.* 774)

New monographs in **Black Type.** Retained monographs in CAPITALS. Omissions i [*Italics*] between square brackets. M.W.=Molecular weight (previous figure i parenthesis). Min.=Minims. gr.=grain. gm.=gram. M.P.=Melting point.

CUPRI SULPHAS.—Monograph rearranged only.

CYCLOPROPANUM.—Addendum VII monograph rearranged and graphic formula added. M.W. 42.08 (42.05).

Deoxycortoni Acetas. — New monograph with graphic formula. M.W. 372.5. Deoxycortone acetate is 21-acetoxy-Δ^4-pregnene-3:20-dione. Synonyms: Desoxycorticosterone Acetate; Deoxycorticosterone Acetate; Desoxycortone Acetate. Description: Colourless crystals or a crystalline powder; odourless. Almost insoluble in water; soluble in alcohol (95%, acetone and fixed oils. M.P., 155° to 161°. Specific rotation, at 20° in a 1% w/v solution in dehydrated alcohol, + 175° to + 185°. Loss on drying at 100°, not more than 0.5%. Ash limit, 0.1%. Preparation, Injectio Deoxycortoni Acetatis. Doses: Intramuscular, 1/30 to ⅙ gr. Total implantation dose, 3 to 6 gr.

DEXTROSUM.—Synonym: Anhydrous Dextrose (added). M.W. 180.2 (180.1). Specific rotation, determined at 20° in a 10% w/v solution in water prepared with addition of a few drops of dilute solution of ammonia (i.e., ammonia replaces "well-boiled"). Preparations (added): Injecto Dextrosi; Injectio Sodii Citratis cum Dextroso. Paragraph on "Sterilisation of a Solution," amended by Addendum IV, now deleted.

DEXTROSUM HYDRATUM. — Monograph of Addendum VII rearranged. M.W. 198.2 (198.1). Complies with requirements under "Dextrosum," calculated with reference to substance dried at 100° (reference added).

DIAMORPHINÆ HYDROCHLORIDUM.—Graphic formula given. M.W. 423.9 (423.7). M.P. 229° to 233° after drying at 110°. Loss on drying, not more than 4.5 per cent. at 110° (previously at 100°). Doses, 1/12 to 1/6 gr. (1/24 to ⅛ gr.).

Dicoumarol. — Synonym: Dicoumarin. 3:3′-methylene-bis-4-hydroxycoumarin. Graphic formula given. M.W. 336.3. M.P., 285° to 293°. Description: White or creamy-white microcrystalline powder; odour slight but pleasant; taste, slightly bitter. Slightly soluble in water; readily soluble in solutions c strong alkalis. Identification: A. Fus 0.2 gm. with 0.2 gm. potassium hy droxide; cool, extract with water, filte acidify filtrate with hydrochloric acid a white precipitate of salicylic acid i obtained. B. Heat 0.2 gm. with 1 mi acetic anhydride under a reflux con denser for one hour, pour into water after thirty minutes collect precipitat and recrystallise it from dilute alcohol residue melts at about 250° after dry ing at 100°. Loss on drying at 100° not more than 0.5 per cent. Ash limi 0.1 per cent. Acidity: Shake 0.5 gm with 10 mils of water for one minute filtrate requires not more than 0.1 mi N/10 sodium hydroxide for neutralisa tion to methyl red. Doses, ¾ to 5 gr daily.

Dienœstrol. — 4 : 4′ - dihydroxy - γδ diphenyl-βδ-hexadiene. Graphic for mula given. M.W. 266.3. Purity, no less than 99.0 per cent. Description Colourless, crystalline powder; odour less. Almost insoluble in water readily soluble in alcohol (90%), ace tone and solvent ether; slightly solubl in benzene. Soluble in aqueous solu tions of sodium hydroxide. Identifica tion: A. Dissolve about 1 mgm. in 5 mil glacial acetic acid, add 0.2 mil 1% bro mine in glacial acetic acid and allow t stand for twenty seconds, then add 1 drop of liquefied phenol and heat o water-bath for two minutes; an emeral green colour develops, which change on adding a few mgm. sucrose and con tinuing to heat, through deep blue an grey to straw colour and finally red dish-brown. B. Dissolve about 1 mgm in 5 mils glacial acetic acid, add 1 mi 1% bromine in glacial acetic acid, an heat in water-bath for two minutes; place 0.5 mil of the solution in a dr test-tube, add 0.5 mil dehydrated alcohol, mix and add 10 mils water; a reddish-violet colour is produced; add 5 mils of chloroform, shake vigorously and allow to separate; chloroform layer is coloured orange-red and aqueous layer is almost colourless. M.P. 232° to 234°. Ultra-violet absorption, 1040 to 1090 (in isopropyl alcohol at 227

mμ). On drying to constant weight at 100°, remains colourless and loses not more than 0.2 per cent. Ash limit, 0.1 per cent. Assay: As dienœstrol di-acetate; factor, 0.7600. Preparation: Tabellæ Dienœstrolis. Doses, 1/600 to 1/12 gr., daily.

DIGITALIS FOLIUM.—Rapidly dried at temperature about 60° (replaces "between 55° and 60°"). Description: Odour, slight (added). Macroscopical and microscopical characters separated and extended.

Digitalis Folii Pulvis. — Submonograph. Description: Green. Diagnostic structures: Marginal teeth each with one or rarely two large water pores at apex; epidermal cells with wavy walls; covering trichomes, bluntly pointed and finely warty, 3 to 5 cells long, and fragments of same; short glandular trichomes; stomata of ranunculous type. Other structures present include: Small annular and spiral vessels, palisade and spongy mesophyll. Calcium oxalate and sclerenchymatous elements absent.

DIGITALIS PRÆPARATA. — New name for "Digitalis Pulverata." Synonyms: Digitalis Pulverata; Powdered Digitalis (i.e., old titles added). Amendment of Addendum I, "not more coarse than a moderately coarse powder," retained; as also 80 mgm. of International Standard digitalis powder as 1 unit of activity. Description (added): Green; odour slight; taste, distinctly bitter. Exhibits diagnostic (microscopical) structures as under "Digitalis Folii Pulvis." Preparations: Tabellæ Digitalis Præparatæ added; *Infusum Digitalis Recens deleted.* Doses, single doses omitted. Strength now stated as 1 unit of activity in 0.1 gm.

DIGOXINUM. — Addendum IV monograph modified. M.W. 780.9 (780.5); Pyridine used in determination of specific rotation "to be dried by means of sodium hydroxide and distillation." Preparations: Injectio Digoxini; Tabellæ Digoxini. Paragraphs on "sterilisation" and preparation of a "sterile solution" omitted (now, with Addendum V addition, included in monograph for injection of digoxin).

Diphenanum. — Diphenan is *p*-benzylphenylcarbamate (shown graphically). M.W. 227.3. Purity, 99.5 per cent. Description: White or pale cream crystalline powder; odourless; tasteless. Almost insoluble in water; sparingly soluble in alcohol (90%); soluble in dehydrated alcohol, in chloroform, and in solvent ether. Identification: Warm 0.5 gm. with 1 mil sulphuric acid; liquid becomes dark brown and CO_2 is evolved. M.P., 147° to 150°. Limit of ammonia (by Nesslerising on 0.5 gm.) not more than 2.5 mils Nessler's dilute solution of ammonium chloride. Complies (on 1 gm. boiled with 50 mils of water) with limit test for chlorides. Loss on drying (at 100°), not more than 0.5 per cent. Sulphated-ash limit, 0.1 per cent. Assay: Boil about 0.7 gm. with 20 mils nitrogen-free sulphuric acid (50 per cent. v/v) for four hours under reflux condenser; cool, dilute with water, transfer to an ammonia distillation apparatus, add 50 mils sodium hydroxide solution (40 per cent. w/v) and distil the ammonia into 40 mils N/10 sulphuric acid. Titrate the excess of acid with N/10 sodium hydroxide using solution of methyl red as indicator. Factor, 0.02273. Doses, 8 to 15 gr.

DITHRANOL.—Addendum VI monograph rearranged. M.W. 226.2 (226.1).

ELIXIR CASCARA SAGRADÆ.—Permission in Addendum IV to substitute chloroform (5 mils) for glycerin (300 mils) withdrawn. Alcohol content: 1.0 to 2.0 per cent. (added).

EMETINÆ ET BISMUTHI IODIDUM.—Identification, alkaloid extracted and used (instead of powder) in green colour test with molybdenum trioxide (molybdic acid). Assay: For emetine. Transfer about 0.5 gm., accurately weighed, to a separator with aid of a little alcohol (90%), add 20 mils water, 10 mils solution of sodium hydroxide and 75 mils solvent ether; shake thoroughly at intervals during half-an-hour until no trace of red colour remains. Complete assay as under "Emetinæ Hydrochloridum." Factor, 0.02403 (0.0240). For Bismuth. Dissolve about 0.5 gm. in 50 mils dilute nitric acid, boil vigorously until iodine vapour is no longer expelled and add 5 gm. citric acid in 10 mils water. Add strong solution of ammonia until a slight permanent precipitate is obtained, and redissolve by adding 1 mil nitric acid. Heat to boiling and while stirring vigorously add slowly from a burette 30 mils solution of ammonium phosphate. Dilute to 400 mils with boiling water, and allow to stand for at least one hour on water bath for precipitate to settle. Filter through a

tared, asbestos-filled Gooch crucible, wash with a 3 per cent. v/v solution ammonium nitrate in water made just acid with nitric acid. Dry and ignite gently. Each gm. of residue is equivalent to 0.6875 gm. of Bi. Doses, 1 to 3 gr. daily (&&daily" added).

EMETINÆ HYDROCHLORIDUM. — M.W. 679.7 (679.4). Contains between 69.0 and 74.0 per cent. emetine (added). Cephaeline limit, not more than 5 mgm. from 0.5 gm. (0.004 gm. from 2 gm.). Loss on drying (at 100°), not less than 15.0 per cent. and not more than 19.0 per cent. Ash limit, 0.1 per cent. Assay (added): Alkaloid extracted with solvent ether, dissolved in sulphuric acid and water, excess acid being titrated with N/10 sodium hydroxide to methyl red or cochineal. Factor, 0.02403. Preparation: Injectio Emetinæ Hydrochloridi. Doses, by subcutaneous or intramuscular injection, ½ to 1 gr. daily ("subcutaneous or intramuscular" and "daily" added). "Sterilisation" particulars, amended by Addendum IV, deleted (included in injection monograph).

[*Emplastrum Belladonnæ*].

[*Emplastrum Cantharidini*].

[*Emplastrum Colophonii*].

[*Emplastrum Plumbi*].

EMULSIO CHLOROFORMI. — Addendum V monograph, with "Distilled water" replacing "suitable potable water."

EMULSIO MENTHÆ PIPERITÆ.—Addendum V monograph, with "Distilled water" in place of "Water."

EMULSIO OLEI MORRHUÆ.—Addendum II monograph with minor modifications: Saccharin Sodium (new name for "Soluble Saccharin"). "Quickly" and "without delay" deleted from directions. "Triturate until a creamy emulsion is formed" substituted for "stir briskly until emulsified." Doses, 120 to 360 min. daily, given in divided doses (Prophylactic, 30 to 60 minims). References to vitamin units omitted.

[*Emulsio Olei Vitaminata. Added by Addendum II, now omitted, as also Oleum Vitaminatum.*]

Emulsio Paraffini Liquidum. — Formula: Liquid Paraffin, 500 mils; Acacia, in powder, 125 gm.; Tragacanth, in powder, 5 gm.; Glycerin, 125 mils; Sodium Benzoate, 5 gm.; Vanillin, 0.5 gm.; Chloroform, 2.5 mils; Distilled Water, sufficient for 1,000 mils. Triturate the liquid paraffin and the chloroform with the acacia, tragacanth and vanillin; add in one quantity 250 mils distilled water and triturate until a creamy emulsion is formed. Add the glycerin, sodium benzoate dissolved in 50 mils distilled water, and sufficient distilled water to produce required volume; mix. Quantities of tragacanth and acacia may be reduced, if mechanically emulsified, provided resultant viscosity is the same. Doses, ¼ to 1 fl. oz.

EPHEDRINA. — Addendum IV monograph modified. M.W. 348.5 (348.3). Taste (added), bitter. Indentification: crystals of ephedrine hydrochloride (from chloroform) are washed with three portions of chloroform (10, 5 and 5 mils) before drying at 100° for determination of melting point. Specific rotation: Quantity equivalent to 2.05 gm., calculated from assay, dissolved in 15 mils dilute hydrochloric acid and made up to 50 mils with distilled water; solution has specific rotation— 33° to — 35° (Calculation, new). Assay: By titration of solution in 95% alcohol (instead of converting into hydrochloride). Factor: Each mil N/10 sulphuric acid equivalent to 0.01653 gm. of $C_{10}H_{15}ON$.

30 MILLION VOLT *X*-RAYS

THE Ministry of Supply announces that its Atomic Energy Research Establishment, Harwell, Berks, has built a new synchrotron producing 30 million volt *x*-rays. The rays are so penetrating that it is thought they may be successfully used to treat malignant tumours seated deep in the body and not at present accessible to external radiation. Machines are being constructed to enable the Medical Research Council to conduct experimental work in this sphere. The new machine accelerates electrons until their mass increases to sixty times the normal value. The acceleration is produced by applying a small voltage more than two million times in the thousand-mile-long path of the electrons through the machine. Despite this great distance travelled by the electrons, the machine is quite small, the electrons being caused to travel round an 8 in. diameter track by the field of a magnet. They complete the entire course in 1/200th of a second. The new machine is also to be used to provide information for the design of very high energy machines including a 300 million volt, 150-ton model, to be used at the University of Glasgow.

CORRESPONDENCE

Municipal Dispensaries

SIR,—At a meeting of the Newport and Monmouthshire Chemists' Association, held at Newport on June 9, great concern was felt by members at a proposal by Monmouthshire County Council to take over several local medical aid dispensaries, staff them with qualified pharmacists, and carry out dispensing under the National Health Service Act. Members contemplated the practice spreading—leading to local authorities taking over rooms or buildings purely as dispensaries, thus depriving pharmacists of much of their livelihood. It was decided to send a strong letter of protest to the Minister of Health. The branch feels that, if the scheme were allowed to proceed, a dangerous precedent would be established, constituting a threat to pharmacists everywhere (since it is obvious that the same thing could occur in other parts of the country). The intention of the Ministry of Health to establish health centres was fully understood, but a dispensary is not a health centre. We would welcome the support of other branches and organisations in our fight to prevent this injustice.

Yours faithfully,
W. J. H. EVANS, *secretary*,
Newport Chemists' Assoc.

Llanhileth,
Mon.

Pharmaceutical Committee Candidates

SIR,—Pharmacy is entering a new chapter in its history and the executives of the East Metropolitan Branch consider that the constitution of the new Pharmaceutical Committees is of vital importance. These committees will be the only connection between the local Executive Council and the practising pharmacist. Therefore, we feel that the people who should be elected to these committees should have a wide experience in local affairs appertaining to pharmacy. In the county of Essex Mr. B. W. E. Beard, Walthamstow, and Mr. W. H. Cloud, Barking, have been nominated to represent the contractors. Both are members of the Branch Committee and have served on the Essex Pharmaceutical Committee for many years. Mr. S. Robinson, Ilford, is a candidate in the employees' election. He has been secretary of the Branch for the past five years, and is the vice-president of the West Ham and District Association of Pharmacists. To all pharmacists we stress the importance of voting in these elections, and to those in Essex we recommend the above candidates.

Yours faithfully,
S. E. MORGAN, *treasurer*.
L. H. MOPPETT, *vice-chairman*.
R. B. DAVIES, *chairman*.

West Ham, E.

MISCELLANEOUS INQUIRIES

Sweetened Health Salt.—*J. L. T.*—A sweetened health salt may be prepared as follows:—

Sodium bicarbonate	2 oz.
Tartaric acid	1½ oz.
Acid potassium tartrate	1½ oz.
Exsiccated sodium sulphate	1 oz.
Sugar	6 oz.

Bleaching Sponges.—*T. S.*—A bleaching process that has proved successful with sponges consists in washing the sponges, soaking them in a solution of potassium permanganate for a few minutes, washing again and finally passing through a sulphuric acid solution. The degree of bleaching is determined by the time of immersion in the potassium permanganate.

Pectin Jelly Bases.—*R. D. N.*—A pectin-containing base for preparing tannic acid jelly, etc., may be prepared to the following formulas:—

I

Pectin	5.0
Glycerin	12
Nipagin M	0.2
Phenoxetol	1.6
Sodium sulphite	0.2
Ringers' solution	66.0

Mix the pectin and glycerin to a paste. Dissolve the sodium sulphite, Nipagin M and Phenoxetol in the Ringers' solution heated to boiling and add the solution to the pectin paste, stirring well until the preparation cools to room temperature. Tannic acid 10 per cent. may be incorporated during the process.

II

Pectin	10
Nipagin M	0.2
Ringers' solution	84.8

Glycerin or propylene glycol may be substituted for the Ringers' solution.

Baking Powders.—*J. H., Ltd.*—There are a great number of formulas for baking powder. Below are four representative examples:—

I

Acid phosphate	50
Sodium bicarbonate	25
Maize starch or rice flour	25

II

Sodium bicarbonate	23.7
Cream of tartar	56.3
Starch	20

III

Sodium bicarbonate	20
Tartaric acid	18
Ground rice	62

IV

Cornflour	4 lb.
Cream of tartar	2½ lb.
Sodium bicarbonate	2½ lb.
Calcium acid phosphate	1 lb.

PHARMACEUTICAL SOCIETY OF IRELAND

THE June meeting of the Council of the Pharmaceutical Society of Ireland was held in Dublin on June 8, Mr. P. A. Brady (president) in the chair. Also present were Messrs. T. C. Scott (vice-president), J. Gleeson (treasurer), P. C. Cahill, G. C. O'Neill, H. P. Corrigan, N. A. McKane, T. B. O'Sullivan, M. Costello, R. Daly, J. K. Whelehan, P. Brooke-Kelly, P. F. McGrath, M. Power, J. A. O'Rourke, J. P. Kissane, C. J. Cremen, and F. X. Meagher.

Supply of Veterinary Medicines

THE PRESIDENT said that, as promised at the May Council meeting, he had been in touch with Mr. Flynn of the Veterinary Association, who had promised to communicate with the president of his organisation to see if a joint meeting of the veterinary and pharmaceutical professions could be arranged. MR. MCKANE, while welcoming the development, said it was time for joint consultation and action on the withholding of veterinary preparations from chemists between the Society and the Irish Drug Association. There should be some permanent committee of the Society and the I.D.A. to hold consultations on such problems.

MR. DALY supported the suggestion of a permanent committee as far as possible to co-ordinate the activities of the two bodies on appropriate matters; such a committee would be especially valuable for members in the provinces where the veterinary medicine problem was more acute. MR. KISSANE agreed; the time had come to take action against firms who were withholding veterinary products from chemists. Chemists in his part of Eire were only awaiting instructions from the I.D.A. Chemists all over the country should act together. A signal to start should be given within the next month. MR. SCOTT said members of the I.D.A. would co-operate completely if approached. MR. WHELEHAN suggested that the I.D.A. should invite the veterinary profession to resume discussions. THE PRESIDENT said that if joint discussions failed chemists would have to adopt another course. MR. WHELEHAN counselled no action until further discussion with the veterinary representatives had been tried.

MR. MCKANE pointed out that discussions with the veterinary profession and action against the firms concerned were different things. There was too much waiting. There was nothing to prevent the firms extending their restrictions to medical as well as veterinary supplies. MR. KISSANE said there must be co-ordinated effort between the Society and the I.D.A. MR. POWER wanted members of the Society and of the I.D.A. to form a "fighting committee" to give a lead to local chemists' associations. MR. WHELEHAN said that at meetings of the joint committee of pharmacists and veterinary surgeons he had received the impression that all veterinary prescriptions should be compounded by chemists who, it was agreed, would use the same care and discretion as with medical products. MR. MCKANE said the firms in question had tried to create the impression that there were a number of unethical chemists in the country, but had produced no evidence. If there were such chemists, their supplies should be stopped without victimising the whole profession. The following motion, proposed by MR. KISSANE and seconded by MR. MCKANE, was unanimously adopted: "That the Committee of the Irish Drug Association be invited to form with the members of the Council a Joint Committee to organise and advise chemists on their action towards firms withholding veterinary pharmaceutical preparations from pharmaceutical chemists."

A letter was read from Dr. Noel C. Browne (Minister for Health) saying he would be delighted to receive a deputation from the Council so soon as the question of implementing the pharmaceutical provisions of the Health Act was being considered.

Income Tax Appeal

A letter was read from Professor T. G. Browne (president, Veterinary Council of Ireland) saying that his Council had been assessed for income tax on statutory fees received by the Council in the discharge of its functions. On appeal the Special Commissioners of Income Tax had first reserved judgment and then decided against the Veterinary Council. As the judgment might affect the assessment of the Pharmaceutical Society's statutory fees, the letter invited the Council to share (with other bodies similarly affected) in the cost of an appeal to the courts. MR. GLEESON said that the Society's auditor had advised support for the Veterinary

Council. On the motion of THE PRESIDENT, seconded by MR. GLEESON, it was unanimously agreed that the Society should support the appeal, its liability to be decided after consultation with the interested parties.

Education Plans

The reports of the House, Law and Schools Committees were submitted and approved. The report of the education subcommittee said the president had outlined his views on the formation of a permanent Education Committee. He had suggested that the Committee should elect a chairman (not necessarily an officer) from its members who should remain in office long enough to ensure continuity of the Committee's work. The following recommendations were made to the Council: (1) That the Education Committee should consist of Council members resident in the Greater Dublin area, with power to seek the services, in an advisory capacity, of any person they might think necessary; (2) that proposed changes in the syllabus should be effected gradually; (3) that the duration of the chemistry courses should be increased as follows: night, three two-hour classes per week, October 1—June 30; day, five two-and-a-half-hour classes per week, October 1—February 14; five two-and-a-half-hour classes, February 14—June 30; (4) that the chemistry syllabus submitted by Mr. Norminton should be adopted as from October 1, 1948, with such further modifications as he might deem necessary on the introduction of a new British Pharmacopœia; (5) that the new B.P. should be the basis of teaching in the Society's schools as from October 1, 1948, and that the examiners should, until further notice, set questions common to the 1932 B.P. and the 1948 B.P. It was also recommended that the Committee should indicate the broad outlines of any proposed changes in the syllabus, the teaching staff to work out details before submission to the Council of the Society.

THE REGISTRAR (Mr. James G. Coleman) reported on the death of Mr. David Smeaton Bennet, M.P.S.I. At a meeting of the Benevolent Fund Committee following the Council meeting some grants were passed for payment.

RETAIL SALARY SCALES IN EIRE

FOLLOWING negotiations between the Irish Drug Association and the chemists' section of the Irish Union of Distributive Workers and Clerks, the weekly salary scales shown below have been adopted for retail pharmacy employees in Eire, retrospective to May 3 (for previous scales, see *C. & D.*, 1947.I.411). In addition to those shown, the following rates apply: Qualified assistants and registered druggists during fifth year after apprenticeship: men, 121s. 6d., women, 105s.; registered druggists managing a druggist's shop: men, 129s., women, 114s. 6d. The rates for outdoor locum tenentes are: Qualified chemists: men, 162s. 6d., women, 142s. 6d.; qualified assistants: men, 128s., women, 113s. In addition, bonuses ranging from 3s. 6d. per week for turnover of more than £70 but less than £80, to 12s. 6d. per week where turnover is £90 and over, are to be paid to managers.

CATEGORY	YEAR AFTER APPRENTICESHIP							
	FIRST		SECOND		THIRD		FOURTH	
	Male	Female	Male	Female	Male	Female	Male	Female
	s. d.	s. d.	s. d.	s. d.	s. d.	s. d.	s. d.	s. d.
Unqualified assistants	77 6	64 0	84 6	71 0	104 0	87 0	112 0	95 6
Qualified assistants or registered druggists	84 6	71 0	92 6	78 0	112 0	95 6	116 6	99 6
Qualified chemists	108 0	93 6	115 6	101 6	135 0	117 6	139 6	123 6
Qualified chemists (covering shop)	126 6	110 0	134 0	117 6	152 6	132 6	157 6	137 6

TRADE REPORT

Spot quotations for pharmaceutical chemicals represent the prices for wholesale quant ties of standard quality. Prices of crude drugs and essential oils vary as to brand or grad

28 Essex Street, W.C.2, June 16

BUSINESS in most markets has been routine in character so far as the home demand is concerned with buyers' inquiries generally restricted to modest quantities of commodities required for immediate consumption. Manufacturing chemists appear to be satisfied for the time being that their stocks of raw materials are sufficient to meet the extra demand anticipated for their medicinal preparations with the approach of the introduction of the comprehensive National Health Service. Inquiries from overseas markets continue on a fair scale with pharmaceutical manufacturers in a position to meet most requirements with the minimum of delay. Quotations for PHARMACEUTICAL CHEMICALS continue at a steady level with no change of importance to record this week. Conditions in the Mincing Lane commodities are reported to be decidedly quiet with the volume of business disappointing. Stocks of a fairly good range of CRUDE DRUGS and kindred products are by no means heavy and holders' quotations are keeping steady. Most forward quotations from the sources support spot values. News is awaited on the values of the new crop AGAR, which is being put up for tender in Japan this week. MENTHOL continues firm on quotation with the market showing little activity. The demand for ESSENTIAL OILS is reported to have been limited in volume with values maintained at recent levels. The controlled prices for REFINED VEGETABLE OILS and imported ANIMAL FATS continue unchanged for the eight-week period ending August 14.

U.S. Drug and Chemical Report

New York, June 11

A SMALL number of products were marked up during the week on the FINE CHEMICAL and DRUG markets. Despite a complete lack of demand, MENTHOL schedules were advanced sharply and material is now being offered at $9.85 to $10.50 per lb. The latest advices from Brazil quote the equivalent of $10.40 per lb., duty paid. The increase in domestic prices was also attributed in part to reports that the bulk of the Japanese export allotment for 1948 of 660 cases had been sold. Dearer ANTIMONY OXIDE was given as the factor necessitating a three cents per lb. increase in technical and U.S.P. TARTAR EMETIC prices. Technical powdered material was advanced to 44 cents per lb., in barrels or kegs, while the U.S.P. product now costs 49 cents per lb. ACETANILIDE and AMIDOPYRINE were also advanced, the former by 10 cents to 50 cents, in 2,000 lb. lots, and the latter by 50 cents to $6.00 per lb. i 100 lb. lots. American pharmaceutica manufacturers are enjoying an unprec dented boom in exports. Exports shoul reach a value of $200 million this yea (compared with $177 million last year while in addition, another $200 millio worth of drugs will be produced this yea in American branch plants abroad or b foreign laboratories licenced to produc American drug items, it was stated. Whil buying on the CRUDE and BOTANICAL DRU markets remains very limited, it is state that what buying there is, is reducing th small stocks of many items and that firmer undertone is becoming apparent AGAR is expected to become firmer in th near future following reports that the nev Japanese crop will be about 10 to 15 pe cent. dearer than last season's. Despit reduction in Mexican VANILLA BEA schedules, little interest is being show by consumers, who point out that th Mexican product cannot always be use as a replacement for Bourbon varieties THE price of technical AMMONIUM SUL PHATE has been increased from $42 to $5 per ton, in bulk, carload lots, althoug agricultural grade material remains un changed at $40 per ton. The export mar ket presents a rather mixed picture— large number of foreign inquiries are re ported for PHENOL, but there is virtually no material available here; there is a brisk inquiry for BICHROMATES; the current dealer price is 22 cents per lb.

Pharmaceutical Chemicals

ACETANILIDE. — Quotations for 1-cwt. lots in kegs are 2s. 5d. per lb. for crystals and 2s. 6d. per lb. for powder. In short supply.

ADRENALINE.—B.P. is quoted at from 5s. 6d. to 6s. per gm. for natural and from 2s. to 2s. 6d. for synthetic; racemic is quoted at 2s. per gm.

AMIDOPYRINE.—Supplies are difficult; importers are asking 50s. to 60s. per lb.

ATROPINE.—Makers' prices continue at the reduced rates notified last week. Rates per oz. are: ALKALOID, 41s. 3d.; 4-oz., 40s. 9d.; 25-oz., 40s. 3d. SULPHATE, 32s. 9d.; 4-oz., 32s. 3d.; 25-oz., 31s. 9d.

BENZOIC ACID.—Makers' quotations are at from 2s. 7d. to 3s. per lb. for B.P., with technical grade at 2s. 6d. to 2s. 8d. SODIUM BENZOATE is rather steadier at from 2s. 5d. to 2s. 8d.

CAFFEINE.—Makers' quotations (per lb.) are: ALKALOID, anhydrous, from 39s. 6d. to 43s. 6d., and B.P. from 37s. 6d. to 41s. 6d., according to quantity; CITRATE, from 22s. 6d. to 26s. 6d.; SODIUM

BENZOATE, from 23s. to 27s. 6d.; SODIUM IODIDE, from 27s. to 31s.; SODIUM SALICYLATE, from 23s. 9d. to 27s. 9d.

CITRIC ACID, B.P. — Makers quote 1s. 5½d. to 1s. 7½d. per lb., discount 5 per cent., for 1-cwt. lots, delivered in the United Kingdom.

CREAM OF TARTAR.—Current rates for the home trade are as follows: 10-cwt. lots, 153s. per cwt.; 5 to 10-cwt., 154s.; less than 5-cwt. and more than 2-cwt., 155s.; less than 2-cwt. and more than 1-cwt., 157s.

EMETINE.—Makers' rates per oz. are as follows: HYDROCHLORIDE, 1 oz., 202s.; 4 oz., 195s.; 16 oz., 192s. 6d.; 32 oz., 190s. BISMUTH IODIDE, 1 oz., 101s. 6d.; 4 oz., 100s.; 16 oz., 98s. 6d.; 32 oz., 97s.

EPHEDRINE.—Quotations for the ALKALOID are at from 10s. 6d. to 12s. per oz., as to quantity and seller. HYDROCHLORIDE is quoted at from 7s. 3d. to 8s. and SULPHATE at 8s. to 8s. 6d. per oz.

ERGOMETRINE.—Makers' prices per gm. are as follows: BASE, in quantities of 1 gm., £20; 5 gm., £19 5s.; 20 gm., £19. ACID MALEATE, 1 gm., £14 15s.; 5 gm., £14 5s.; 20 gm., £14.

ESERINE SALTS. — Current price for SALICYLATE is 150s. and for SULPHATE 170s. per oz.; ALKALOID is 190s. per oz.

ETHYLMORPHINE.—Current rates per oz., in the home market, are: ALKALOID, ½ oz., 57s. 6d.; 1 oz., 55s.; 2 oz., 53s. 6d.; 3 oz., 52s. 9d.; 4 oz., 52s. 6d.; HYDROCHLORIDE, ½ oz., 49s.; 1 oz., 46s. 6d.; 2 oz., 45s.; 3 oz. 44s. 3d.; 4 oz., 44s.

HYDROQUINONE.—Bulk rates are as follows: 10-cwt., 9s. 6d.; 5-cwt., 9s. 9d.; 1-cwt., 10s.; 28-lb., 11s.; 14-lb., 11s. 3d.; 7-lb., 11s. 6d. per lb. Carriage paid in U.K.

HYPOPHOSPHITES.—Makers' rates per lb. for 7-lb. lots are: AMMONIUM, 9s. 3d.; BARIUM, 6s. 3d.; CALCIUM, 4s. 11d.; IRON, 9s. 4d.; MAGNESIUM, 7s. 9d.; MANGANESE, 8s. 5d.; POTASSIUM, 6s. 1d.; SODIUM, 5s. 7d. HYPOPHOSPHOROUS ACID in quantities of 6 Winchester quarts is 6s. 2d. per lb.

ISOPROPYL ALCOHOL. — Makers quote 15s. 3d. per gall. for small lots.

LACTATES.—Supplies are plentiful. Current quotations are as follows: CALCIUM, 2s. 2½d. to 2s. 10½d.; CALCIUM SODIUM, 3s. 3d. to 3s. 11d.; ACID, 3s. 1½d. to 3s. 10d. per lb.

LACTOSE.—Quotations are from £120 per ton upwards, according to quantity.

MERCURY SALTS.—Makers' rates per lb. for 1-cwt. lots are: AMMONIUM CHLORIDE, B.P., lump, 7s. 8d., powder, 7s. 10d.; YELLOW OXIDE, B.P. and RED OXIDE, B.P.C., 8s. 4d. BICHLORIDE, B.P., lump, 7s., powder, 6s. 5d.; MERCUROUS CHLORIDE, B.P., 7s. 10d. Quotations for small quantities of MERCURY WITH CHALK, B.P., are at 4s. 9d., for MERCURIC CYANIDE, 18s. 9d., and for OLEATE, B.P., 5s. per lb.

MORPHINE.—Prices per oz. current in the home market are: ALKALOID, ½ oz., 55s. 3d.; 1 oz., 52s. 9d.; 2 oz., 51s. 3d.; 3 oz., 50s. 6d.; 4 oz., 50s. 3d. HYDROCHLORIDE ½ oz., 46s. 9d.; 1 oz., 44s. 3d.; 2 oz., 42s 9d.; 3 oz., 42s.; 4 oz., 41s. 9d.; BIMECONATE and TARTRATE, as ALKALOID; ACETATE, HYDROBROMIDE and SULPHATE, as HYDROCHLORIDE.

PARALDEHYDE.—Rates for B.P. material are as follows: 5 carboys, 1s. 5d. per lb.; 1 carboy, 1s. 6d.; 24 winchesters, 1s. 7½d.; 17, 1s. 8½d.; 6, 1s. 10d.; 3, 1s. 11d. per lb.

PEPSIN.—Quotations for B.P. standard are from 29s. 6d. per lb.; 1-3,000 is priced at 35s., and 1-10,000 at 115s. per lb.

PHENAZONE.—Nominal prices are from 32s. 6d. to 35s. per lb.

PHENOL.—Maximum price for crystals in the home market is 11d. per lb., in 1-ton lots in drums (returnable), delivered.

PHENOLPHTHALEIN. — Manufacturers' prices per lb. are as follows: 1-cwt. lots, 6s. 1d.; 28-lb., 6s. 3d.; 14-lb., 6s. 6d.

QUININE.—Makers' rates (per oz.) to distributors are given below: additional charges must be added for repacking, etc. ALKALOID, from 5s. to 5s. 6d.; ACETYLSALICYLATE, 6s. to 6s. 6d.; BISULPHATE, and SULPHATE, 3s. 7d. to 4s. 1d.; DIHYDROBROMIDE and DIHYDROCHLORIDE, 4s. 11d. to 5s. 5d.; FORMATE, 5s. 9d. to 6s. 3d.; GLYCEROPHOSPHATE and PHOSPHATE, 5s. 5d. to 5s. 11d.; HYDROBROMIDE and HYDROCHLORIDE, 4s. 6d. to 5s.; SALICYLATE, 4s. 8d. to 5s. 2d. QUININE AND UREA HYDROCHLORIDE is quoted from 4s. 10d. to 5s. 4d.

RESORCIN.—Continues in short supply. Current prices are at from 10s. 6d. to 12s. 6d. per lb., according to quantity.

ROCHELLE SALT.—Current rates per cwt. are as follows: 1 cwt., 162s. 6d.; 5 cwt., 160s. SEIDLITZ POWDER, ordinary strength is quoted at 126s. 3d.; extra strong, 136s.; and double strength, 141s. 9d. per cwt.

SALICYLIC ACID.—Makers' quotation for 1 cwt. is 2s. 2½d. per lb.; scheduled rates per lb. for quantities of 28 lb. and under 1 cwt. (containers in brackets) are: 2s. 10½d. (1-lb.); 2s. 9½d. (2-lb.); 2s. 9d. (4-lb.); 2s. 8d. (7-lb.); 2s. 7½d. (14-lb.); 2s. 6½d. (28-lb.). Net one month.

SODIUM SALICYLATE.—Makers' price for 1 cwt. is 2s. 7d. per lb.; resellers' rates per lb. (containers in brackets) in the home market are as follows: 28 lb. and under 1 cwt., 3s. 4d. (7-lb.); 3s. 3d. (2-lb.); 3s. 2½d. (4-lb.); 3s. 1½d. (7-lb.); 3s. 1d. (14-lb.); 3s. (28-lb.). Net one month.

SODIUM TAUROGLYCOCHOLATE. — Current quotations are at 45s. per lb.

TARTARIC ACID, B.P.—British-manufactured acid is quoted at 230s. per cwt., delivered.

THIOGLYCOLLIC ACID.—Supplies are available at 22s. 6d. per lb.

Crude Drugs

AGAR.—No. 1 quality strip on the spot is quoted at 19s. to 19s. 3d. per lb., with lower grades at 17s. 9d. to 18s. 6d. The Japanese crop is being put up for tender this week; allocations to consuming countries have yet to be made.

ALOES.—A quiet market. Cape, on the spot, is steady at 145s.; shipment offers are at about 138s., c.i.f. Curaçao in boxes is offered at 210s. to 230s., spot; forward, 200s., c.i.f. Socotrine on the spot is quoted at 156s. to 190s. per cwt.

ANISE (STAR).—Spot offers are at 130s. per cwt.; shipment, 120s., c.i.f.

CAMPHOR.—The market shows no change on the week; business reported to be negligible. Chinese tablets, 9s. 9d. to 10s. 9d. per lb., duty paid; refined powder (B.P.), 8s. 9d. to 9s. 3d., with B.B. grade, 8s. 6d.; crude powder, 7s. 6d.

CARDAMOMS.—Mangalore half-bleached A's, 8s. 6d., spot; B's, 8s., seeds, 6s. 9d. Aleppy seeds No. 1, 8s. 6d. per lb. Aleppy greens, 6s. 6d.; extra bold, 7s. per lb.

CASCARA SAGRADA.—The volume of business moving is small. 1947 peel, spot, 250s. to 255s. per cwt.; 1946, 265s. Forward the quotation is steady at 215s., duty paid, for 1948 bark.

CASCARILLA. — Market quotations unchanged. Quills, 1s. 6d. to 1s. 7d. per lb., spot, siftings, 1s. 5d. to 1s. 6d.

CASSIA PODS.—(*C. fistula*).—East Indian, 65s. per cwt., ex wharf.

COCHINEAL.—Silver greys, quoted at 4s. 3d. per lb., spot; blacks, 4d. 6d.

COLCHICUM.—Corms, on the spot, are offered at 7s. 6d. to 8s. 6d. per lb.

COLOCYNTH.—Market dull. Fine-white pulp, spot, 1s. 7d. to 1s. 7½d. per lb.; shipment, 2s., c.i.f.

DERRIS ROOT.—Controlled price of the root and "other rotenone materials" is 2s. 4d. per lb., ex warehouse.

DRAGONS BLOOD.—Singapore reboiled No. 1 is at £70 per cwt., spot; No. 2, £35.

ELEMI.—Manila No. 1 is quoted at 2s. 3d. per lb., on the spot.

ERGOT.—Small inquiry. Portuguese, 4s. to 4s. 1½d. per lb., spot; 3s. 10d., c.i.f.

GAMBOGE.—Siam pipe on the spot is easier at £50 per cwt., duty paid.

GENTIAN. — Occasional small business reported. French natural, spot, from 65s. to 67s. 6d. per cwt.

GINGER.—Market is fairly steady and slightly dearer. African, spot, 72s. 6d.; new-crop, June-July, 69s., c.i.f. Jamaican, No. 1, 115s.; No. 2, 112s. 6d. and No. 3, 110s. per cwt.

GUM ACACIA.—Market is quiet and quoted a shade lower. Kordofan cleaned sorts, steady at 65s. per cwt., ex store, London; shipment, 60s., c.i.f. Bleached No. 1, 135s., ex store; to arrive, 120s., c.i.f. Talha, 43s., ex warehouse, 42s., c.i.f.

GUM KINO.—Indian on the spot is offered at 9s. per lb.

GUM MASTIC.—No. 2 on the spot is offering at 14s. 3d. per lb.

HENBANE.—B.P. is quoted at 4s. 6d per lb., spot. Egyptian (*H. muticus*) is offered at 105s. per cwt., spot; 80s., c.i.f. Business remains rather quiet.

HENNA.—Inquiry is of small account. Egyptian, spot, 100s. to 115s. per cwt.; Indian, 100s.

HONEY.—Agreed rates per cwt. for Australian or Jamaican honey, for manufacturing purposes, are as follows: In original packings (56-60 lb. tins for Australian or 3½-cwt. barrels for Jamaican), for quantities of 10 cwt. or more, 96s.; less than 10 cwt., 105s., net, carriage paid. Refined repacked honey is available at the following rates per cwt.: In 7-14 lb. tins, 145s.; 28-lb. tins, 130s.; 56-lb. tins, 120s., carriage paid, subject to wholesale discount of 8½ per cent.

HOREHOUND.—French white herb is offering at 89s. per cwt.

HYDRASTIS.—Quiet. Spot, 60s. per lb.

IPECACUANHA.—Dealers report business quiet. Nicaraguan, 26s. and Colombian, 24s. per lb., spot.

IRISH MOSS. — French finest-quality bleached, quoted at 120s. per cwt., spot; No. 1, 105s.; No. 2, 95s. per cwt.

JABORANDI LEAVES.—Supplies on the spot of f.a.q. are offering at 9d. per lb.

JALAP.—Vera Cruz, spot, offered at prices from 3s. 5d. to 4s. per lb., as to test (15 to 17 per cent. resin). Brazilian (11.2 per cent.) is available at 1s. 6d. per lb., spot.

JUNIPER.—Italian berries, quoted at from 55s. to 60s. per cwt., duty paid.

KARAYA.—No. 1 gum quoted at 220s., and No. 2 at 180s. per cwt., spot.

KOLA NUTS.—African quarters are available at 4d. per lb.; African halves, 3d. to 4d., according to quality; Jamaican washed halves, 4½d. per lb.

LANOLIN.—Makers' prices are £125 per ton for B.P. ANHYDROUS and £110 for B.P. HYDROUS, delivered U.K.

LAVENDER FLOWERS.—Spot quotations are from 2s. 3d. to 4s. 6d. per lb., according to quality.

MENTHOL.—Little business but the market remains firm on quotation. Brazilian, spot, 46s. to 50s. per lb., duty paid, as to seller.

SEEDS.—ANISE.—Cyprus is now quoted at 1s. 5½d. per lb., Turkish, 1s. 6d. per lb., duty paid, London. CARAWAY.—Dutch offered at 11d. to 11½d. per lb., duty paid, London, and 11¾d., ex store, Liverpool. CELERY.—Indian unchanged at 1s. 3d. per lb., London or Liverpool. CORIANDER.—

Argentine is quiet at 44s. per cwt., duty paid. Splits quoted at 32s. 6d. per cwt., duty paid. Morocco new crop (buyers' licence) quoted at 32s. 6d. per cwt., c.i.f., London. CUMIN. — Indian, offered at 212s. 6d. per cwt., Liverpool. Cyprus, now afloat, quoted at 210s. per cwt., landed, London. DILL.—Indian is quiet and unchanged at 47s. 6d. per cwt., London, and 46s. per cwt., Liverpool. FENNEL.—Indian is 72s. 6d. per cwt., spot, London, and 70s. now quoted, Liverpool. FENUGREEK.—Indian offered at 47s. 6d. per cwt., London, and 45s. 6d., Liverpool.

WAXES.—Conditions in most markets are fairly steady but general business remains restricted. BEES'.—Dar-es-Salaam, spot, 355s. per cwt.; shipment, 325s., c.i.f. Lindi, spot, 350s. per cwt.; forward, 310s., c.i.f. Benguela, 355s. per cwt., duty paid; in bond, 320s.; shipment, 305s., c.i.f. CANDELILLA.—Spot, 385s. per cwt.; shipment, 380s., c.i.f. CARNAUBA.—Prime yellow, 690s. per cwt.; forward, 650s., c.i.f. Fatty grey, 425s. per cwt., spot; afloat, 415s., c.i.f., shipment, 375s., c.i.f. Chalky grey, 420s. per cwt., spot; shipment, 365s., c.i.f. MONTAN. — Steady. Reibeck, 300s. per cwt., spot, and Czechoslovak, crude, 270s. OURICURI.—9 per cent., spot, 365s.; 1 per cent., spot, 420s., shipment, 400s., c.i.f.; 5 per cent., shipment, 370s. per cwt., c.i.f. SPERMACETI.—Spot, 3s. 9d. per lb.

Essential and Expressed Oils

ALMOND.—Sweet oil (B.P.) is quoted at 8s. 6d. to 9s. Bitter essential oil from 30s. to 55s. per lb., as to quality and seller.

BAY.—West Indian is offering at 6s. 6d. to 8s. 6d. per lb., spot.

CADE.—Prices are from 3s. 9d. to 5s. per lb., according to holder and quantity.

CAMPHOR.—White oil on the spot is quoted at 2s. 9d. per lb., duty paid.

CANANGA.—Java oil on the spot is quoted from 32s. 6d. to 37s. 6d. per lb.; 28s., c.i.f.

CLOVE.—Quotations for English-distilled bud oil are from 11s. to 12s. per lb.

CORIANDER.—English-distilled is offered at 260s. per lb.

CUBEBS.—English-distilled is offered at 55s. per lb.

CUMIN.—English-distilled oil is quoted at 75s. per lb.

DILL.—Market is steady at recent advance. English-distilled oil, about 75s. per lb.

EUCALYPTUS.—70-75 per cent. (B.P.) is steady at 4s. 3d. per lb. for drums, and up to 5s. 9d. for smaller quantities; shipment, 3s. 8d., c.i.f.

GERANIUM.—Bourbon is offering at prices from 52s. 6d. to 62s. 6d. per lb., as to grade. Business of small account.

LAVANDIN.—Market is dull. Spot quotations are from 9s. to 11s. 6d. per lb.

LAVENDER.—French, 38-40 per cent., is quoted at 23s. to 25s., spot; 40-42 per cent., 25s. to 27s. 6d. Spanish (spike) is steady at 9s. to 11s. per lb., spot.

LEMONGRASS. — Quoted at 6s. 6d. to 7s. 6d., spot, as to holder and quantity; forward, 5s. 9d., c.i.f.

LIME.—West Indian is quoted at from 28s. to 30s. per lb., according to holder and quantity.

PALMAROSA.—Supplies on the spot are offered at 35s. per lb.; forward prices have risen to 30s., c.i.f.

PATCHOULI. — Seychelles, spot, is unchanged at 47s. 6d. to 57s. 6d. per lb., as to quantity; Singapore is priced at 57s. 6d. to 60s. per lb., spot.

PENNYROYAL.—Spot offers are at from 18s. 6d. to 21s. per lb., according to grade.

PEPPER.—English-distilled, 160s. per lb.

PEPPERMINT.—English-distilled "Mitcham," is quoted at 180s. to 225s. per lb.

PIMENTO BERRY.—English-distilled oil is quoted at 50s. to 60s. per lb. and upwards, according to quantity and grade.

PINE.—*Pumilionis* is quoted at 18s. to 20s. per lb., spot; *sylvestris*, 12s. 6d.

PINE NEEDLE.—Spot supplies are offered at 19s. to 21s. per lb., for first-grade oil.

ROSEMARY.—Spanish is offered at 7s. 6d. to 10s. per lb., according to quantity.

SANDALWOOD.—English-distilled, in limited supply, is quoted at 75s. to 90s. per lb.

SASSAFRAS. — Supplies on the spot are offering at 6s. 6d. to 7s. 6d. per lb.

TURPENTINE.—Rectified (B.P.) is quoted at 2s. 6d. per lb. in carboys.

VETIVERT.—Java is quoted at 135s. per lb., on the spot; Bourbon, 125s. to 145s.

World Mineral Industries

No. 2—Arsenic

THE following details of principal producers of arsenic for the years 1938, 1941 and 1944 are abstracted from the statistical summary of the mineral industry of the British Empire and foreign countries published by the Imperial Institute, London, S.W.7. The figures are in long tons.

PRODUCING COUNTRY	1938	1941	1944
Australia, white arsenic ...	3,999	3,446	2,339
Belgium, ,, ,, ...	2,664	711	—
France, ,, ,, (*c*)	7,458	4,706	1,677
Germany, ,, ,, ...	2,800	1,967	(*b*) 570
Italy, ,, ,, ...	797	1,180	(*a*)
,, ore	17,976	(*a*)	(*a*)
Sweden, ,, (*c*)	21,141	(*a*)	(*a*)
Mexico, white arsenic ...	8,754	12,641	15,064
U.S.A., ,, ,, ...	14,897	29,061	32,227
Peru, ,, ,, ...	—	—	6,800

(*a*) Information not available. (*b*) January to July only. (*c*) as content.

TRADE MARKS

(*From "The Trade Marks Journal," June 2*)

"SELECTOL"; for photographic chemicals; "ATHENA"; for sensitised material (1). By Kodak, Ltd., London, W.C.2. B654,520 and 659,978.

"PETROMOR"; for petroleum sulphonates for use as emulsifying, wetting and penetrating agents (1). By Manchester Oil Refinery, Ltd., London, E.C.2. 654,638.

"RECONNAISSANCE"; for chemical products used in photography (1). By P. C. Developing & Printing Co., Glasgow, C.3. 656,889.

"PERMUTIT"; for preparations for softening and purifying water and for treating liquids (1). By the Permutit Co., Ltd., London, W.4. 659,006 (Associated).

"HYPONEX" in distinctive lettering; for chemical substances for use in hydroponics (1). By Hydroponic Chemical Co., Inc., New York, U.S.A. 659,267.

"FRUITONEX"; for preparations for spraying fruit trees (1); "ROOTONEX"; for fertilisers (1). By American Chemical Paint Co., Ambler, Pennsylvania, U.S.A. B659,383-84.

"DE QUERVAIN"; for non-medicated toilet preparations, cosmetics, perfumes and soap (3). By British Continental Drugs, Ltd., London, S.E.11. 653,238.

"KOLESET"; for non-medicated toilet preparations, cosmetics, perfumes and soap (3). By Wella Rapid, Ltd., London, N.W.1. B655,166.

"NYSIS"; for soaps, perfumes, non-medicated toilet preparations and cosmetics (3). By Nyal Co., Ltd., London, E.1. 656,598.

"DENSHEEN"; for pencils for whitening the teeth (3). By Dencil Manufacturing Co., Ltd., Liverpool, 7. 656,629.

"BARKEY"; for shaving creams and soaps (3). By Albert & Henry Bassat (London), Ltd., London, W.C.1. 657,500.

"BANTOL"; for perfumes, non-medicated toilet preparations and cosmetics (3). By Ashe Laboratories, Ltd., London, S.W.1. 658,541 (Associated).

"SURF"; for non-medicated hand creams, dentifrices and preparations for cleaning artificial teeth (3). By Thomas Hedley & Co., Ltd., Newcastle-on-Tyne. 658,756.

"KIGU"; for cosmetic powder boxes (3). By Kigu, Ltd., London, N.W.10. 659,874.

"PURITAN" and figures in Puritan dress; for soaps, non-medicated toilet preparations, cosmetics and perfumes (3). By Christr. Thomas & Bros., Ltd., Bristol. 659,232 (Associated).

"PROGLUV"; for perfumes, non-medicated toilet preparations, cosmetics and soaps (3); for pharmaceutical preparations and substances (5). By Harry Ibbetson, Stevenage, Herts. 659,641-42 and 659,190 (Associated).

"DIDDUMS"; for non-medicated toilet preparations, perfumes, cosmetics and soaps (3). By Hannetta, Ltd., London, N.W.2. 660,367.

"THRONOBIN"; for pharmaceutical substances for human and veterinary use, and sanitary substances (5). By Gedeon Richter (Great Britain), Ltd., London, N.W.5. B654,757.

"ELCENA"; for cosmetics (not being toilet preparations) (3). By Leslie Daniel Houghton, Liverpool, 13, Lancs. 669,068.

"DOUBLE RING BRAND" in distinctive lettering; for preparations for killing weeds, insecticides, fungicides and parasiticides (5). By Trenmans Hortico, Ltd., Sunbury-on-Thames, Middlesex. 647,038 (Associated).

"DIODOQUIN" in distinctive lettering; for medicated tablets for protozoan infections (5). By G. D. Searle & Co., Skokie, Illinois, U.S.A. 648,430.

"MAINSTAY" and device of trawler (word "Mainstay" disclaimed); for oils and preparations for pharmaceutical and veterinary purposes, and cod-liver oil (5). By British Cod Liver Oils (Hull & Grimsby), Ltd., Hull. 649,511 (Associated).

"PROBITOID"; for pharmaceutical preparations and substances (5). By Edwin Rawlinson Cooper, London, S.W.1. 655,544.

"ANTRYCIDE"; for pharmaceutical preparations for human and veterinary use, sanitary substances and disinfectants (5). By Imperial Chemical (Pharmaceuticals), Ltd., Slough, Bucks. 657,287 (Associated).

COMING EVENTS

Sunday, June 20

MANCHESTER PHARMACEUTICAL GOLFING SOCIETY. Meeting at Hawkstone Park, Wem, for B.D.H. trophy and Li-lo cup. Coach leaves central station 10 a.m., returning 8 p.m.; fare, 11s. 6d.

Monday, June 21

ROYAL SOCIETY, Royal Institution, Albemarle Street, London, W1, at 11.30 a.m. Scientific information (conference continues until July 2; see *C. & D.*, May 15, p. 618).

Wednesday, June 23

MANCHESTER PHARMACEUTICAL GOLFING SOCIETY. Meeting at Royton and Crompton Golf Club for Ucal prize and trophy (No. 2 bus from Stevenson Square).

MERSEYSIDE BRANCH, NATIONAL ASSOCIATION OF WOMEN PHARMACISTS. Visit to Southport General Infirmary; leaving Exchange station, Liverpool, at 2.10 p.m., or meeting at Infirmary at 3 p.m.

SLOUGH BRANCH, PHARMACEUTICAL SOCIETY. Visit to E.M.I. factory, Hayes. Particulars from Mr. G. C. Osborn, 7 High Street, Windsor.

WALLASEY PHARMACISTS' ASSOCIATION. Annual outing to Oswestry, leaving Queen's Arms, Liscard, at 2 p.m. Tickets, 15s. 6d. (including tea), from Mr. A. R. Allen, 64 Martins Lane, Liscard, Wallasey.

Thursday, June 24

LONDON CHEMISTS' GOLFING SOCIETY. Fixture at Sudbury Golf Club (Telephone: Wembley 0218).

Friday, June 25

ROYAL COMMERCIAL TRAVELLERS' SCHOOLS, St. Ermin's Ballroom, Caxton Street, London, S.W.1, at 11 a.m. Annual court of governors.

Saturday, June 26

COMMERCIAL TRAVELLERS' BENEVOLENT INSTITUTION, 4B Frederick's Place, Old Jewry, London, E.C.2, at 12 noon. Half-yearly court of governors.

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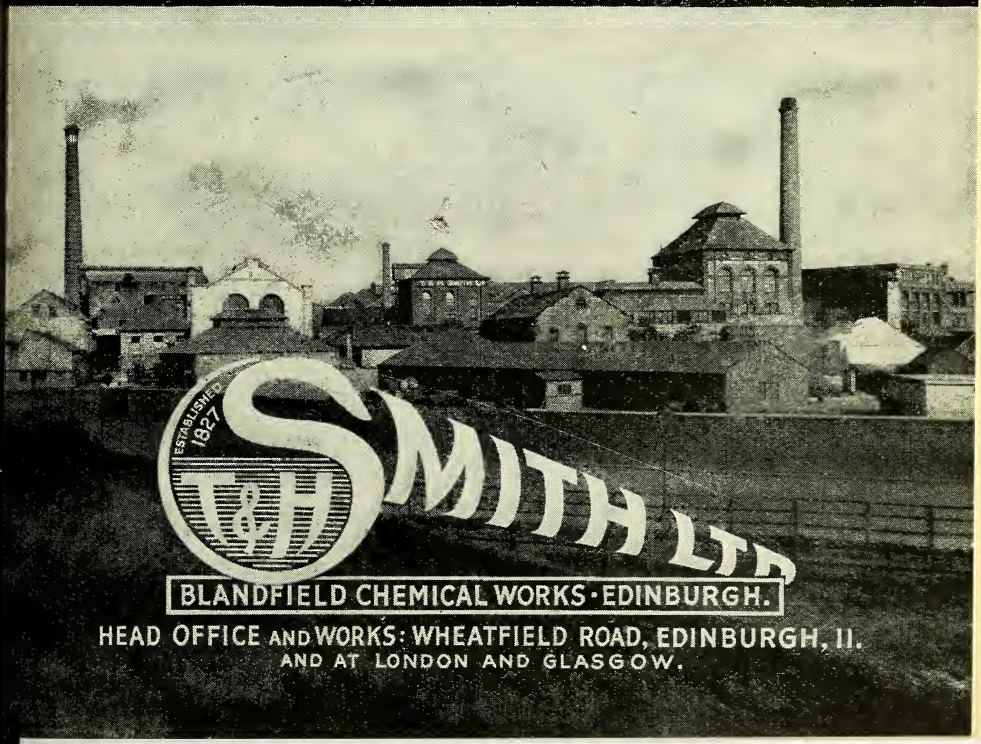

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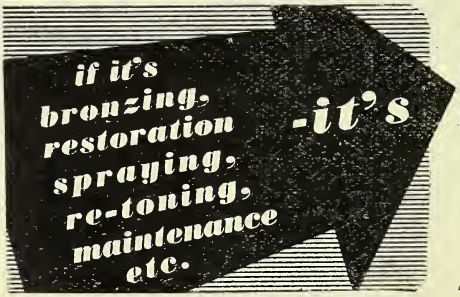

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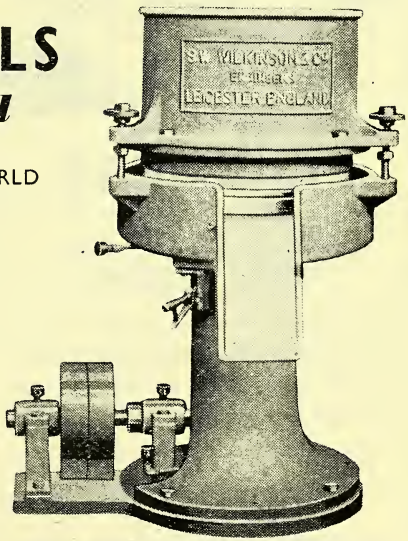

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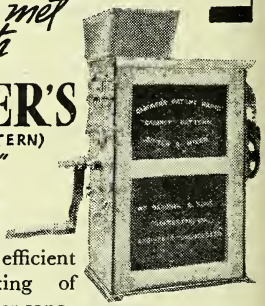

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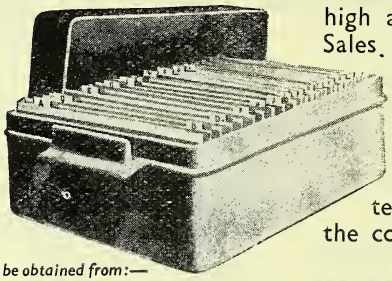

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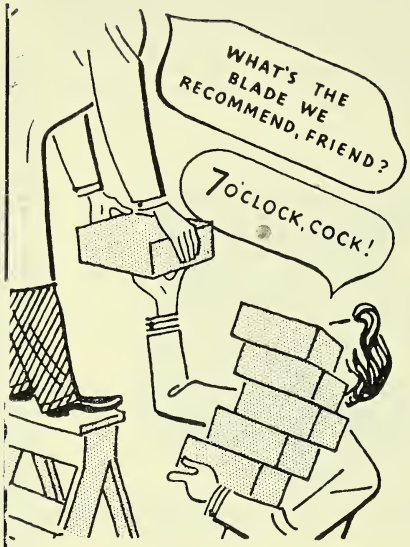

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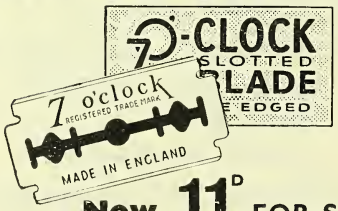

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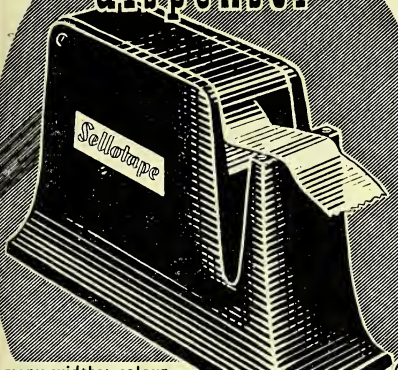

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For further particulars write: GORDON & GOTCH, LTD., Dept. C.D. 8, 75-79 Farringdon St., London, E.C.4.

n many widths; colour-ess transparent or a range of colours, plain or printed. Also supplied in small rolls and dispensers for resale to the public.

Sellotape

SELF-ADHESIVE CELLULOSE TAPE

Here is the larger of the two packs of Dalsy Tablets which may become more popular than the neat and trim 4d. size. You will like the new 1/5 pack. A really good formula (A.P.C. with Piperine—perhaps the best of all A.P.C. combinations), a first-rate pack—a popular price and generous profit.

UNIVERSALLY ADVERTISED

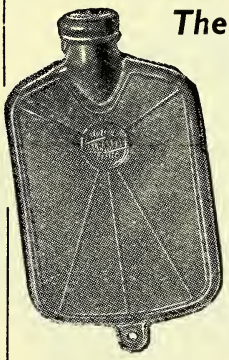
Limited supplies of this handsome display carton are still available and will appeal to the Chemist who seeks to establish the 1/5 Price Standard. Order from your Wholesaler: 1 Display carton (1 dozen), 1/5. Daisy Tablets at 9/6, plus Tax. (P.A.T.A.)

J. E. ELLIS LTD., HORSFORTH, LEEDS

REGD. **SUBA-SEAL** TRADE MARK

The **SAFETY BOTTLE**

WITH **ALL** THE SELLING POINTS



- EASY FILLING
- NO AIR LOCK
- NO LEAKAGE
- STOPPER CANNOT GET LOST
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- SEAMLESS THROUGH OUT
- ALL RUBBER
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★ **ENTIRELY BRITISH**

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The "Best-Seller" that is *FREE!*

The demand for the booklet—"How to make the most of your Stergene" has proved so widespread that we are now endeavouring to supply Retailers with copies for free distribution on their counters. An attractive holder is provided and our salesmen will refill this on their calls. The booklet clearly shows how a hundred-and-one jobs in the home can be done more easily with Stergene. Not a soap or a substitute, this unique washer and cleanser is the final answer of Science to the domestic problem.

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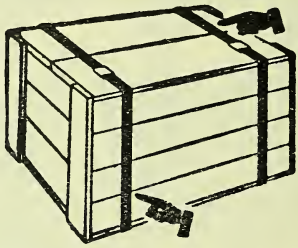
COLLEGE WORKS, NEWCASTLE-UPON-TYNE, 6

USE :—

Wire Bands
BANDING SYSTEM
It's speedy! It's simple!!
Above all—It's Secure!!!



THESE BANDS WILL ENSURE YOUR GOODS ARE DELIVERED INTACT

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A DELICATE SUBJECT — FOR DELICATE SKINS

The **TOTTY-POT**

Rubber Ringed for Cushion Comfort

Trade Mark "Totty Pot" Patent-applied for

A NON-CORROSIVE ACID-PROOF HYGIENIC CHILD'S CHAMBER

Detachable ring, easily removed for cleaning purposes

Made of Aluminium

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BROBAT ... and now BROBAT
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Brobat Disinfectant Germicide is the latest addition to the BROBAT range. Stock up NOW with the powerful (4 times stronger than carbolic) non-poisonous non-staining Germicide and take advantage of the National Press Advertising Campaign.

Limited supplies of BROAMAT, the coupon free liquid woolly washer, are now available.

Enquiries invited from Wholesalers, and stockists in England & Wales.

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PROFIT FOR YOU
from
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Stock and display the nationally advertised "Beetlescram" 2 oz. Puffer Box—the best anti-pest yet. **Now selling at 1/3.** Packed in highly attractive display boxes of 3 doz. **plus 3 free bonus** (13 to doz.)

Beetlescram
DOES THE JOB OVERNIGHT

Order from your wholesaler or direct from

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AUSTERITY LABELS

WHICH INCUR

NO PURCHASE TAX

Full range in stock

WRITE

TOWNSENDS

LABEL PRINTERS

EXETER

C.P.L

Correction...

MENOPAX

ANTIPRURITIC CREAM

NOT FREE OF PURCHASE TAX

RETAIL PRICE *STILL* 5/5 *per tube*

Clinical Products Ltd. desire to tender a sincere

Apology...

to all those chemists who were in any way inconvenienced by an unfortunate announcement in this paper on May 29th, stating that as from June 1st, 1948, Menopax Antipruritic Cream would be free of purchase tax.

The misunderstanding arose because certain substances in the prescription are now on the "Freed" list, and at first Menopax Antipruritic Cream was considered to be exempt from purchase tax. The final ruling to the contrary was received too late for correction in the announcement, although a disclaimer was published in the Editorial Column of the same issue which, however, may easily have been overlooked.

SOLE DISTRIBUTORS:

ENGLAND AND WALES

S. MAW, SON & SONS, LTD.
ALDERSGATE HOUSE,
NEW BARNET, HERTS.

SCOTLAND

MOORE MEDICINAL PRODUCTS LTD.
1 QUEENS TERRACE, ABERDEEN

Prescribed by Doctors, this product is not advertised to the public.

For Baby's Sake

AND FOR YOURS

stock

The line it pays you best to recommend is the one that pleases everybody most . . . Mother, Baby and Chemist all benefit by the extra quality of CROSBY'S *Antiseptic* BABY POWDER.

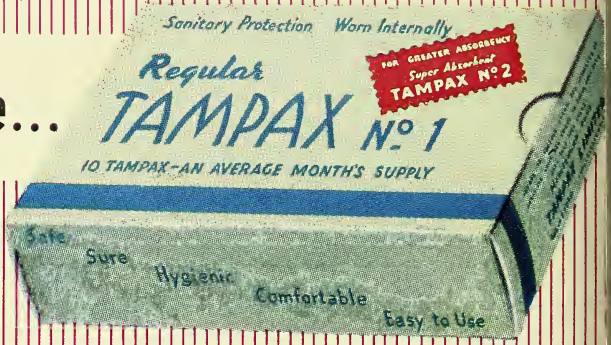
SALE TILNEY (MARKETING) LTD.
3 LLOYD'S AVENUE, LONDON, E.C.3

Crosby's

ANTISEPTIC

BABY POWDER

for some...



for others..

for *all* requirements–

display them side by side

TAMPAX

Sanitary Protection Worn Internally

Experience has shown that when the new Super Absorbent Tampax No. 2 takes its place beside Regular Tampax No. 1, sales of Tampax in that market rise by as much as 50%. There is a simple reason for this. Some women find Tampax No. 1 adequate for their needs: others require the 40% greater absorbency of Tampax No. 2. But there are yet others who purchase **both** sizes. In all, the two absorbencies — separately or together — cater for all requirements. That's why it's sound business to display them **side by side**. For where women **see**, they **buy**.

REGULAR TAMPAX No. 1. Retail: 1/9d. per packet. Trade: 15/9d. per doz. packets.

SUPER ABSORBENT TAMPAX No. 2. Retail: 2/-per packet. Trade: 18/-per doz. packets.

TAMPAX LTD., *SALES OFFICE:* 110 JERMYN ST., LONDON, S.W.1. *PHONE:* WHITEHALL 8696/7

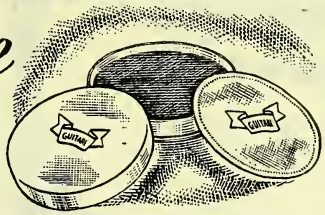
VALDOR
LONDON PARIS

LIPSTICK *Guitare*

SUPER INDELIBLE
—does NOT come off!

in 8 transparent shades which are smearless and smudgeless and remain fast to eating, drinking, etc., for at least 8 hours.

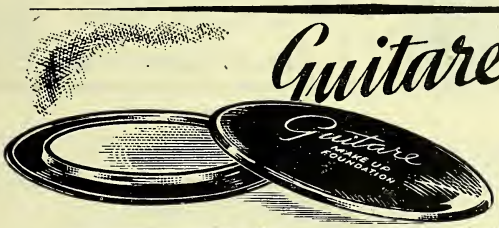
ROUGE *Guitare*



IN EIGHT SHADES TO MATCH

the lipstick. Of perfect tone and texture. Rouge Guitare is sought after by all smart women for enhancing natural beauty.

Guitare

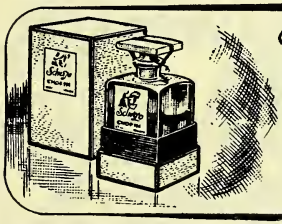


MAKE-UP FOUNDATION

Does not dry the skin. A delightful skin conditioning creamy foundation. In 8 shades. It contains Lanolin and cannot dry the skin.

ARCANCIL MASCARA

Lengthens and strengthens the lashes. Contains no caustic or other harmful ingredient. Does not smart. Does not run. In four shades and colourless. Tube or cake. A big favourite with modern women.



High Class French Perfume

PARFUMS CHOPIN

Mazurka, Berceuse, Scherzo. Three exquisite perfumes from Paris to intrigue and delight all smart fashionable women.

SALE, TILNEY & CO., LTD., 3, Lloyds Avenue, London, E.C.3

Tintex

THE WORLD'S LARGEST-SELLING **HOME DYE**

CHEMISTS' AGENTS:—
Thos. Christy & Co., Ltd.
Farnham, Surrey.

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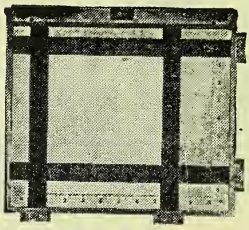
A New Masking Frame
"THE GNOME DE LUXE"
Adjustable Margin



With this Mas ing Frame white bord from 1/16 in. 1 in. may be o tained all rou the print. T four Maskir Strips can all adjusted, t border is n fixed on any sld

ALL-METAL CONSTRUCTION
RETAIL PRICES

W.O.N.	Size	Price	Purchase Tax	Total
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Feeding bottles, complete, 10/6 doz.
Grip-tight soothers, 3/4 per doz.
All elastic hairnets, 24/- per gross, inclusive.
Slumber nets, elastic, 36/- per gross, inclusive.
Bottle sprays, 24/- per doz.
2-oz. Camphorated Oil, B.P., 7/6 per doz.
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D.D.T. Liquid, 1/- size, 9/- per doz.
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Aspirin 100's, 8/- per doz.
Toilet rolls, 8d., 9½d. and 1/- always in stock.

PERCENTA THE CONTAINER PEOPLE

Containers of Meta Glass, Aluminiu and Plasti

(PERCENTA LTD.) Tel: Hop 0516 (6 lines
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Registered in all Countries
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Stock this noted quick-acting Insecticid

Liberal Terms
3d. FLYPAPERS impregnated under pressure: 18/- gross
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1/- POWDE CARTONS (larg (contains 5% D.D.T.) 96/- gross

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ORDER NOW
HILST THEY ARE
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nd the "Allure" Perfume Hairbrush
e heavy and sustained advertising at
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Simpkins conform with the Government's request

10% Price Reductions on Medicated Pastilles

Medicated Pastilles
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etail price reduced from
/8 to **1/6** per tin.
rice to chemists reduced
om 10/9 to **9/9** per dozen.
ew Purchase Tax 3/3 per
ozen.
ulk reduced from 6/3 to
/9 per lb.

Available in 2½-lb. glass jars or 3-lb. tins to retail at **8d.** per oz.

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- **YOUR PROFIT** remains at over 50% on cost price.
- Supplies available for immediate delivery.

Children's Cough Pastilles

Retail price reduced from 1/8 to 1/4½ per tin.

Price to chemists reduced from 10/9 per dozen to **8/6** per dozen.

New Purchase Tax 2/10 per dozen.

Bulk price reduced from 6/3 to **5/-** per lb. to retail at **7d.** per ounce.

Now available in 8½d. tins.
Liquorice & Menthol Pellets,
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A.L. SIMPKIN & CO. LTD · Pharmaceutical Laboratories · SHEFFIELD 6.

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Exquisite Charm

SOLE DISTRIBUTORS U.K.
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DANES INN HOUSE, 265, STRAND, LONDON, W.C.2

VULFIX
SHAVING BRUSHES
were again featured at this year's B.I.F.

Ask your wholesaler about the new
VULFIX
"TIDY SHAVER"
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SHAVING BRUSH Co., Ltd.
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ILLUSTRATED EXPORT CATALOGUES
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ECLIPSE
RAZOR BLADE
MADE IN ENGLAND

Start with a smooth finish—

5 for 1/4d. INCL. TAX

Obtainable only from Retailers
JAMES NEILL & CO. (Sheffield) LTD.

E 215

This EXTRA SALES ASSISTANT Will bring in the summer crowds !

This colourful poster for BRONTAN will be appearing throughout the summer to assist you in selling this popular Sun Tan Cream to thousands. There's always a steady demand for Brontan in the summer season, so be sure you have stocks available by ordering NOW!

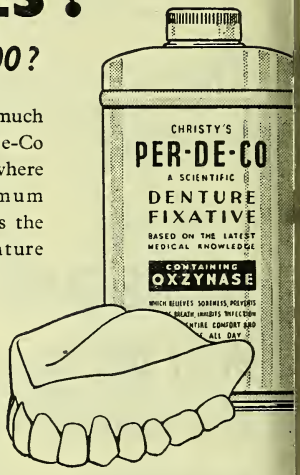
BRONTAN LTD.

1 Broad Street Buildings, Liverpool Street, London, E.C.2. Phone: BIShopsgate 6383

How many people wear DENTAL PLATES?

2,000,000? 3,000,000? 4,000,000?

The percentage of people in this country who wear dental plates is not known, but even if it is only 5% it means that there are over 2,000,000 potential buyers of Per-De-Co — and probably the figure is very much higher. Always put Per-De-Co on display therefore, where it will attract maximum attention. Per-De-Co is the only oxygenated denture fixative.



CHRISTY'S

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PERfect DEnture COnfidence

Distributors: THOS. CHRISTY & Co. Ltd., Farnham, Surrey. 'Phone: Farnham 648

A FIRST CHOICE for the Investor

INVESTING in National Savings adds brightness to your future and strengthens the Nation's resources. And now the transaction is made more simple by a new service offered by your Bank. Whether you want to make a block purchase of National Savings Certificates, or whether you wish to invest a regular monthly sum for as long as you like, you have only to sign a Banker's Order form. The Bank will do the rest—without trouble to you, and without charge. In ten years' time each 10s. Certificate will be worth 13s.—an increase equivalent to a taxable yield of £4.16.8%. To the surtax payer the Savings Certificate is even more profitable. You can now hold 1,000 units of the new issue, in addition to permitted existing holdings of Certificates of earlier issues. *So call on your Bank Manager to-day.*

SAVE—*The Bank Way*

Issued by the National Savings Committee

Now in prompt Supply

The Quality Brand

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Finest and most reliable!

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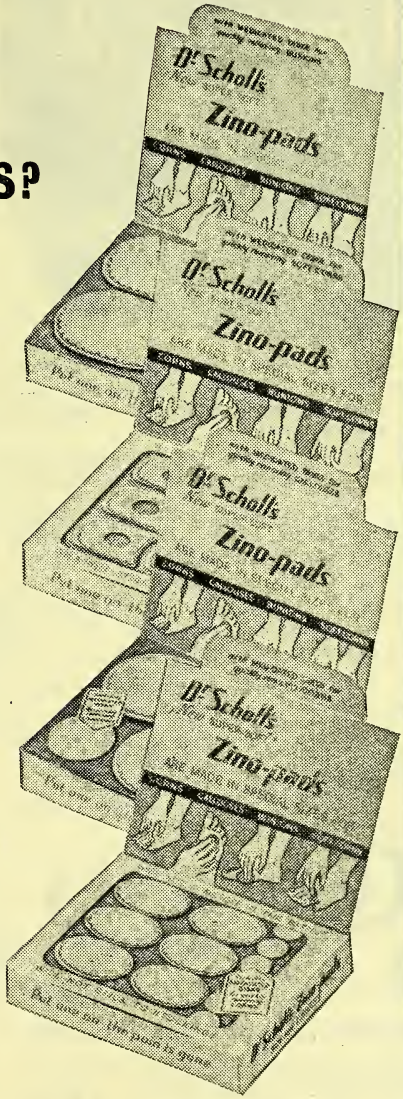
Mayfair 2412

Factory! - TRADING ESTATE, SLOUGH, BUCKS

ow many of your customers know about

Dr. Scholl's
UPER-SOFT ZINO-PADS?



r. Scholl's *Super-Soft* Zino-Pads are designed om the softest material ever made for ushioning and protecting corns. They bring ore comfort than ever to those who suffer ot pain.

r. Scholl's *Super-Soft* Zino-Pads have scalped edge to mould pad to foot with perfect noothness. Flesh-coloured, they will not ick to stockings nor come off in bath.

r. Scholl's *Super-Soft* Zino-Pads are made in zes for corns, callouses, bunions and soft rns. It is very important to see that the ustomer does get the size required.

PECIAL PARCEL—BONUS OFFER

special parcel of six dozen *Super-Soft* Zino-Pad packes is available on direct orders in return for a window splay during June. This is made up of 3 dozen corn, dozen bunion, 1 dozen callous, 1 dozen soft corn size. BONUS of *one free package* with each dozen, and an tractive set of showcards will be included in each parcel.

LEVER DUMMY DISPLAY UNIT—FREE

ith every dozen packets we send new and novel dummy ckets free. With a picture top they illustrate the quality d quantity of the product which each packet contains. is a really simple way to keep the goods in front of the stomer. Make use of it and reap the benefit it will ring you.

r. Scholl's Super-Soft Zino-Pads

r corns, callouses, bunions and soft corns, 2/- a dozen. P.T. 4/-. Retail 1/9 a packet.

HE SCHOLL MANUFACTURING CO. LTD., 182/204 ST. JOHN STREET, LONDON, E.C.1

Nearly Five times the Profit

FOR ONE-SIXTH OF THE TROUBLE

The 26/5 size 'Curicones'—the FULL treatment—is the size your customers ask for. This choice is wise both from their point of view and your own.

YOU ENJOY THESE ADVANTAGES BY STOCKING THE 'CURICONES' 26/5 SIZE

1. You make nearly five times the profit for one-sixth of the trouble. (The 26/5 size contains six times the quantity of the 5/6 size).

2. You sell the equivalent of six bottles of 'Curicones' at one sale—and thus avoid the customer buying only one bottle from you, and the other five bottles elsewhere.

3. Your turnover is quicker. Time is saved.

4. You are cementing goodwill with customers needing the longer course of 'Curicones.'

ORDER A ½ DOZ. FROM YOUR WHOLESALER TO-DAY—and satisfy your customers.

CURICONES

for the relief of P.A.T.A.

RHEUMATISM *and* **KINDRED ILLS**

Remember 'Curicones' is a P.A.T.A. Line showing 33⅓% profit, nationally advertised and recommended by the medical profession. Showcard sent on request.

Large Size **26/5**

STEPHEN MATTHEWS & COMPANY LIMITED
19/21 FARRINGDON STREET, LONDON, E.C.4

FACT-NOT FICTION

says **ANONA WINN**
Famous Stage and Radio Star.

Miss Anona Winn is recommending AURORAL DYES in millions of advertisements in periodicals and magazines during 1948.

Less 5% for cash in 7 days

AURORAL
Cold Water Dyes
48/- gross

WINNER
Home and Stocking Dyes 24/- gross

WHITAKERS OF KENDAL

"Leda"

D·D·T

LIQUID SPRAY

Specially prepared for Household use

NON-INFLAMMABLE. NON-STAINING.
Ready for immediate use.
Full directions on each container.

Also in Powder Form. Samples and prices available to Wholesalers from Manufacturers.

LEDA CHEMICALS LTD
WHARF RD., PONDERS END, MIDDX.

Phone : HOWard 2231 (3 lines)

Sole Agents for N.Ireland: Whyte Reid & Mitchell, Ltd 61/63 Donegall Pass, Belfast.

Sole Agents for Scotland : Southern Mfg. Co. Ltd. 214 West Regent Street, Glasgow, C.2

SEVENSEAS
Cod Liver Oil

The serious shortage of fats is still with us, and the best answer is still SevenSeaS. Back up your window displays by telling your customers that as little as one teaspoonful per day provides more fats and much more Vitamins A and D than one extra ounce of butter in the weekly ration.

ISSUED BY

BRITISH COD LIVER OILS

(HULL & GRIMSBY) LTD.,

ST. ANDREW'S DOCK, HULL

✚ Stops

SCURF

Dr. Pagr-Barker's

Scurf & Dandruff Lotion

A Guarantee with every Bottle.

Distributors to the Chemists' Trade—

THOS. CHRISTY & CO. LTD.

FARNHAM, SURREY.

Trade 20/- doz.

Plus Tax ONE THIRD

Retail 3/4 P.A.T.A.

Sole Manufacturers and Proprietors—

ILEX SUPPLY CO., LTD. 252b GRAY'S INN ROAD, W.C.1

WHY IT PAYS YOU TO SELL THE LARGE SIZE CARTERS

★

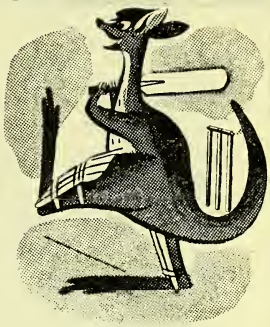
IT PAYS YOU to sell the large-size Carters because you can make 1/- profit on every 3/10 tube. And you'll find it easy to sell this size because the customer saves 10d. and gets 5 extra pills. Supplies are readily available. Send your order now and see how easy it is to make big profits!

★

ORDER YOUR CARTERS LITTLE LIVER PILLS *Now!*

from Thomas Marns Ltd., 2 Caxton Street, S.W.1

Two more star salesmen for Alka-Seltzer



Here they are—Mr. Kangaroo and Mr. Frog—two w members of Alka-Seltzer's star sales team. They're ready well down to their job of helping you to sell more ka-Seltzer, making regular appearances in the national d provincial press. Look out for them—and see how ey make Alka-Seltzer advertising stand out.

Alka-Seltzer is a unique combination of aspirin, dium bicarbonate and citric acid in a chemically stable ervescent tablet. You can therefore recommend it for the lief of acid indigestion, headaches, the discomforts of colds d everyday aches and pains.

Selling with a smile

This advertising is already doing a real selling job d Alka-Seltzer displays will soon turn smiles into sales! rite for trade price list and display discounts to Don S. omand Ltd., 57 Albany Street, London, N.W.1. Sole Dis-ibutors for Miles Laboratories.

THERAPEUTIC PRODUCTS

Why Doctors Prescribe Agarol

AGAROL emulsion is composed of high-grade mineral oil and agar-agar with the addition of a judicious dose of phenolphthalein. Like all Warner products it is strictly ethical, being advertised to the medical and allied professions only. AGAROL is an effective, palatable and non-toxic medicament approved by physicians:

1 for the treatment of all forms of constipation. Its mineral oil supplies gentle lubrication; agar-agar improves "bulk" by water retention; phenolphthalein stimulates peristalsis;

2 for its easy corrective action in constipation associated with pregnancy and post-operative retention;

3 for children and adults requiring a palatable, non-griping, "clock-timed" cathartic.

Agarol is now in normal supply

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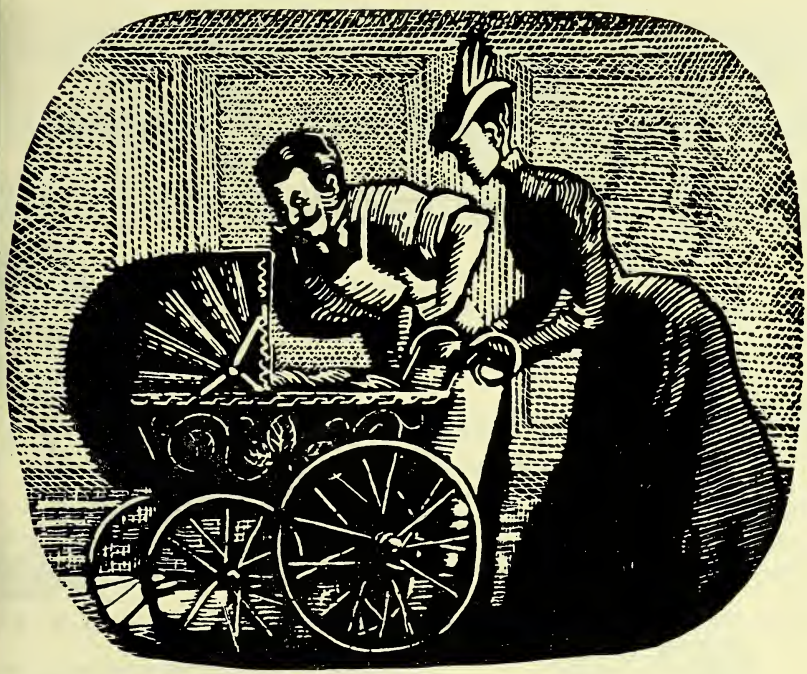

Remarkable paternal resemblance, Ma'am"

IR. COLLINS was in a very high class ay of business—he had bill-heads to rove it. And madam was a very modern oung woman in spite of the fact that she vore 400 coupons worth of clothes at a ime. She was feeding young Percival on M.O.F., the latest idea in infant nutrition. Mr. Collins supplied it.

M.O.F. made its first appearance in Scotand in 1887: George Bernard Shaw was a romising young man of 31 and Wilbur Wright had not yet bothered to invent the aeroplane.

In 1941 M.O.F., now modernised in line with the latest ideas on infant nutrition, came to England. This fortified infant cereal found an immediate welcome. Soon pediatricians, Infant Welfare Clinics and Health Visitors were recommending it. Mothers found it economical and easy to prepare. Infants liked it.

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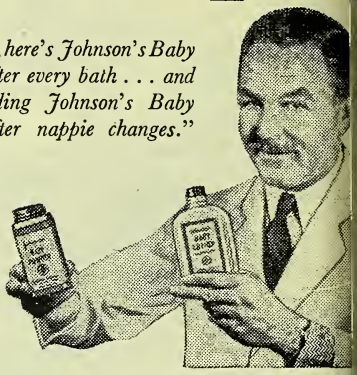

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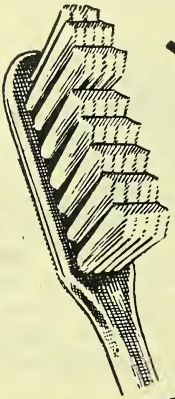

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who decides what goods you will sell. See that those goods bring you prestige as well as profit. That means

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A consistently increasing demand stimulated by medical prescription.

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Uric Acid Eliminator and urinary antiseptic. A palatable effervescent granular preparation for all rheumatic complaints.

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Salicylates, Capsicin and Menthol presented as a stick of solid embrocation, clean and easy to apply.

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Stocked by all leading wholesalers.

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The Responsible Answer to an increasing Public Demand

'BISODOL' provides a pleasant gastric sedative and a rational means of re-establishing normal alkalinity of the body, without risk of systemic disturbance. The formula is one which every Pharmacist can approve and the efficacy of which is evidenced by the remarkable public demand which can only be due to widespread recommendation.

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	Small	Large
Retail price *(Incl. P.T.)*	1/9	4/1
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ANTACID DIGESTANT

for the COMMON COLD . . .

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During the coming months, there are always colds about. For rapid and effective treatment, your customers will expect to obtain Serocalcin *from stock.* Please maintain a stock for this purpose.

Serocalcin is packed in 20's and 60's

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The CHEMIST AND DRUGGIST SUPPLEMENT

This Supplement is inserted in every copy of The Chemist & Druggist

28 ESSEX STREET, LONDON, W.C.2

JUNE 19 1948

CLASSIFIED ADVERTISEMENT TARIFF

BUSINESSES for DISPOSAL, BUSINESSES and AGENCIES WANTED, GOODS for SALE (value £5-£50), PARTNERSHIPS, PATENTS, PREMISES to LET, for SALE or WANTED, SITUATIONS OPEN	8/6 for 36 words or less, 3d. for each additional word.
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THE CHEMIST AND DRUGGIST, 28 ESSEX STREET, STRAND, LONDON, W.C.2.

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MY & NAVY STORES, LTD., have vacancies for ensers (qualified and unqualified). Hours 8.45 to 5.30 p.m. Saturday 1 p.m. Full parti- rs to Staff Manager, 105 Victoria St., S.W.1.

OTS THE CHEMISTS have vacancies in a number districts for qualified assistants, male and female. ry (male): Central London, £8 5s. to £9 15s. ropolitan district £7 17s. 6d. to £9 7s. 6d. vinces £7 10s. to £9. (female): Central don £7 15s. to £9 5s. Metropolitan district 7s. 6d. to £8 17s. 6d. Provinces £7 to £8 10s. rding to age. Engagements are on a permanent s with good prospects and eligibility for pen- , life assurance, etc. There are also a number vacancies for unqualified assistants fully trained the business and including those dispensers who e been released by doctors, etc. Good remunera- with a view to permanency, pension scheme. Applications should be made to Retail Staff partment, Station St., Nottingham, stating age, erience and district required.

PERIENCED ASSISTANT required for drug stores, ; part-time considered. Kingston locality. Box 28.

EAT GRIMSBY CO-OPERATIVE SOCIETY, LTD. uire qualified pharmacist, male or female, to n new branch in Grimsby. Splendid modern se available (if required) to successful applicant. plications, stating age, experience, and salary uired, to be in hands of Managing Secretary, Garibaldi St., Grimsby, not later than June 23.

LEAMINGTON SPA. Pharmacist to manage small branch, suitable for young qualified; easy hours. Apply Hutton & Barrett, Ltd., 42 Parade, Leamington Spa.

LEEK & MOORLANDS CO-OPERATIVE Society, Ltd. Wanted, fully qualified pharmacist-optician as departmental manager and buyer. Modern shop. Good house available. N.U.C.O. scale. Annual sales £13,000. Superannuation transfer scheme. Apply in writing, giving full details to Managing Secretary, Leek & Moorlands Co-operative Society, Ltd., Russell St., Leek, Staffs.

MANCHESTER. Pharmacist, either sex, required for old-established, good-class dispensing business. Permanency if suitable. No Sunday duty. Fullest particulars in first letter and salary required to J. S. Breese & Son, Ltd., 191 Wilmslow Rd., Rusholme, Manchester, 14.

MIDDLESEX. A capable pharmacist is required to manage a good-class pharmacy in Twickenham. Good salary to experienced man able to control staff and stock and extend business. Apply Box 3/844.

NORTH-EAST DURHAM. Your opportunity if ambitious. Young pharmacist (either sex); good salary; excellent prospects; duties, manage retail department (large staff) of old-established retail and wholesale firm. No extra duties. Box 3/909.

ORRIDGE & COMPANY Employment Agency, 184 Strand, W.C.2. Temple Bar 9212-3. Branches at Southampton and Birmingham. Inquiries invited from pharmacists and unqualified persons requiring situations. Many attractive vacancies available. Excellent opportunities existing in progressive permanencies. Locums provided for. No charge to employees except registration fee. Apply to 184 Strand, W.C.2, in first instance.

QUALIFIED ASSISTANT, male, required for high-class pharmacy, counter and some dispensing. Permanency; good salary. Chave & Jackson, Ltd., Hereford.

PHARMACIST BRANCH MANAGER, Bristol. Living accommodation available for successful applicant. Branch situated in busy main street position. Old-established and offering excellent opportunity for keen man. Trade Union conditions and superannuation scheme. Applications in writing to Bristol Co-operative Pharmacies, Ltd., Castle Green, Bristol, 1. Envelopes to be endorsed "Pharmacist."

PLYMOUTH CO-OPERATIVE SOCIETY, LTD., requires relief pharmacist. Early prospect of branch managership. Flat available. Superannuation scheme (transfer clause). Apply General Secretary, 50 Thorn Park, stating particulars of age and experience.

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QUALIFIED LADY pharmacist required by well-known chemists in the West End, London. Good prospects and pension scheme. Easy hours. Apply Box 3/944.

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SOUTH LONDON. Pharmacist, used to good-class family business, wanted shortly to manage branch near the Crystal Palace. No living accommodation, but satisfactory terms offered to capable man. Apply Box 3/845.

THE ROYAL ARSENAL CO-OPERATIVE CHEMISTS, LTD., invite applications from qualified pharmacists as branch managers. Permanent and progressive positions. Superannuation scheme in operation. Write for particulars of salary and commission scheme to the Staff Manager. 113 Powis St., Woolwich, S.E.18.

TIMOTHY WHITES & TAYLORS have a number of vacancies for managers in the Metropolitan and Greater London area. Applications are invited from pharmacists with managerial experience. Satisfactory conditions of employment, including pensions scheme, available to suitable applicants. Please apply to Mr. W. E. Stokes, M.P.S., 70 Vauxhall Bridge Rd., London, S.W.1.

TWO PHARMACIST BRANCH MANAGERS required, also a Pharmacist. Reply stating age, experience and salary required to Superintendent Pharmacist, Manchester & Salford Co-operative Society, Ltd., 67 Downing Street, Manchester, 1.

UNQUALIFIED ASSISTANT (male or female) required with dispensing experience. Permanency offered. Apply with usual particulars to A. H. Clark, M.P.S., 24 The Broadway, Maidstone, Kent.

UNQUALIFIED ASSISTANTS, men and women mainly for dispensing, required by London chemist. Apply "G", Box 3/926.

UNQUALIFIED. Capable assistant required for counter and dispensing. High-class pharmacy, Earl's Court, S.W.5. Good salary and permanency. Write giving age and experience, to J.B. 240 Earl's Court Road, S.W.5.

WANDSWORTH, S.W.18. Pharmacist required to manage a family business (dispensing) in good-class residential area. Permanent appointment; good salary and conditions. Regret no living accommodation. Apply Box 3/846.

WHY NOT JOIN a progressive organisation? Experienced pharmacists will find conditions of service both interesting and profitable. There are several vacancies. Write for an appointment to discuss terms with the Superintendent Chemist, Grange Rd., Leyton, E.10.

RETAIL (OVERSEAS)

ESTABLISHED English firm of chemists with branch overseas require a qualified pharmacist at one their branches in West Africa. Permanent positi offering good opportunities for a young chem commencing career. Age between 25 and 35, p ferably unmarried. Optical experience an adva tage. Service agreement provides for twenty mont tour, four months' leave on full pay. Salary co mencing £550 with increments per tour to £1,0 per annum. Low income tax, contributory pensi scheme, free furnished quarters, first-class passag Applications with copies of testimonials and rece photograph, also full particulars of qualificatio and experience, to Box 3/912.

QUALIFIED ASSISTANT. Progressive firm in Pena requires immediately alert, single, young pharmaci Knowledge of optics an advantage. Post offers exc lent opportunities for advancement. Salary for fi term of service (4 years) $500.00 per month (£7 per annum). Passage paid out and home. App Ayrton, Saunders & Co., Ltd., Manufacturing Ch mists, Liverpool.

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LOCUM PHARMACIST to take charge during Ju and August. Also permanent manager. N.W. Lo don. Apply "A", Box 3/927.

QUALIFIED LOCUM required from August 9 September 18 inclusive. Must be able to take fu charge, no half-day or Sunday duties. Goldthorpe 10 Powis St., Woolwich, S.E.18. Woolwich 0403.

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ACTIVE REPRESENTATIVES required to sell cott wool on a 10 per cent. commission basis. Th opening is available in all parts of England a Wales and Northern Ireland to representatives w have live connections, amongst Co-ops. and c partmental stores only. Apply immediately Managing Director, Box 3/918.

ALLEN & HANBURYS, LTD., require a pharm ceutical representative resident in or near Ne castle. Applicants (qualified pharmacists) shou give age, experience, etc., to the Personnel Man ger, Allen & Hanburys, Ltd., London, E.2.

AN ESTABLISHED firm of manufacturing chemi and distributors requires superior representativ for the following areas to take over existing co nections. Must have strong connections with ha dressers for sale of exclusive French cosmeti perfumes, etc., and also of an exclusive range ornamented combs, jewellery, etc. Remuneratio preferably by commission only, but would consid part expenses and commission. (1) Yorkshi (2) Northumberland and Durham; (3) Surre Hants; (4) Middlesex, Herts, Bucks, Oxon, Berk Write. Box 3/922.

ATTRACTIVE commission lines (perfumes, etc offered traveller calling on chemists in South Wale West Country and South Coast. Good commissio and established connection. Box 3/898.

CLERICAL ASSISTANT to chief chemist requir by London firm manufacturing pharmaceutica Knowledge of trade together with shorthand/ty ing. Five-day week. Box 3/989.

CIBA LABORATORIES, LTD., require a qualifi pharmacist, under 30, with pharmaceutical man facturing experience. It is a permanent appoin ment which will give a man of initiative a ability excellent prospects of advancement. Pe sion fund. Remuneration in keeping with exper ence and qualifications. Applications to be a dressed to Production Manager, Ciba Laboratorie Ltd. Horsham, Sussex.

EXPERIENCED charge hands for cosmetics and pe fumery, etc.; experienced cosmetic finishers. 5-da week, canteen on premises, excellent condition Apply, R. Hovenden & Sons, Ltd., 41-53 Britann Row, London, N.1.

MISSION AGENTS required to sell to chemists druggists in the North, East Anglia, the Mid- s, and the West Country, nationally advertised nted line. Full sales aids, including lists of omers provided. Eneregtic men with proved records and good connections should send full ils of lines now carried, territory covered, ther car owner and frequency of call on cus- ers, to Box No. 254, Dorland Advertising Ltd., don, S.W.1.

Y DISPENSER required for the compounding essences and flavours. Apply in writing, stating qualifications and salary required, to Box 29.

ICASHIRE, CHESHIRE, and North Wales areas. resentatives required to call upon chemists. l-established C.F. lines. Salary and expenses. erably car owners. Please write, giving age, full erience, connection, if any, to Box 3/872.

NUFACTURERS of exceptionally well-presented ge of finest quality pharmaceutical specialities, re-organising territories, have vacancies for esentatives or sole agents to take over and elop existing connections in: (1) West Country, Wales. (3) North Lancashire, Cumberland and tmorland. (4) Eastern Counties. (5) North- s, Bucks, Berks, Herts, Oxford, Bedfordshire. licants, preferably car owners over 40, must e proven record of successful selling to retail wholesale chemists, stores and Co-ops. The ition is permanent with unlimited scope. Gen- us remuneration in return for skilful conscien- us service. Please reply giving fullest details of lifications which will be treated with strict fidence. Box 3/933.

NUFACTURING CHEMIST of packed drugs, enicals and toilet preparations require experi- ced representative to take over well-established nection in the South London area. Only first- ss man with live connection chemists need apply. od salary and commission. Write in confidence, Box 3/862.

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RFUMES. Vacancy occurs for traveller with con- ction in South and West Midlands, East Anglia, . Good commission, salary, expenses to right n with selling ability. Write fully to Box 3/895.

HARMACIST (male) required for medical infor- ation department. The duties are of a non-com- ercial nature and require a knowledge of thera- utics and medical subjects generally. Hospital perience an advantage but not essential. Apply itially in writing, giving brief résumé to career d quoting reference No. 1498, to the Personnel ficer, May & Baker, Ltd., Dagenham, Essex.

HOVENDEN & SONS, LTD., 41-53 Britannia w, London, N.1, have the following vacancies: ottle storekeeper, powder processers, laboratory sistant. 5-day week, canteen on premises, good ospects.

EPRESENTATIVE wanted for Liverpool and North Vales by manufacturers of surgical dressings, sani- ry goods, and druggist sundries, to call on hemists, also drapers for sanitary goods only. alary, commission and expenses. Box 3/821.

EPRESENTATIVE (aged about 25) required for orth of England to develop sales of aromatic che- icals, compounds and specialities. Apply initially writing, quoting reference No. 1434 to the Per- nnel Officer, May & Baker, Ltd., Dagenham, ssex.

EPRESENTATIVE wanted for the whole of Scot- nd, with sound connections with chemists and llied trades, to represent a firm of manufacturing hemists. Salary, commission and expenses. Box /903.

REPRESENTATIVE wanted for Lancashire with sound connections with chemists and allied trades to represent well-known firm of manufacturing chemists. Salary, commission and expenses. Box 3/891.

REPRESENTATIVES REQUIRED. All parts British Isles. Large range fancy goods and chemist sundries. Car necessary. Good income to man of initiative with established connection. State territory. Apply: Chemist Sundries Corp. Ltd., 94 Aldersgate Street, London, E.C.1.

REPRESENTATIVES, preferably having established connections with all types of outlets, required by well established razor blade manufacturers. Several territories other than Scotland available. Write to Box 3/935.

REPRESENTATIVES for Midlands sundries' house; must be young with own connection retail chemists. Car owners preferred. Vacancies in Oxfordshire, Gloucestershire, Herefordshire, Shropshire, Cheshire, North and South Wales, Wiltshire and Somersetshire, etc. Wage, commission and expenses. Progressive for right men. Box 3/925.

REPRESENTATIVES for home and Southern Counties wanted to call on chemists, grocers, stores and caterers for new vitamin food product. Attractive commission basis and expenses. State experience and connection, to Box 914, Pratt & Co., Ltd., 329 High Holborn, London, W.C.1.

REPRESENTATIVES to sell unique device required by every trader and business man for office, shop and home. Ideal for supplementing income. Generous terms. Call or write, B.D.C. Laboratories, Ltd., 371 Holloway Rd., London, N.7.

REPRESENTATIVES required by manufacturing chemists to carry well-known products. Territories: (1) South Western Counties; (2), Gloucester, Wilts, Dorset; (3) South Wales; (4) Sussex; (5) South Ridings; (6) North Ridings and Durham; (7) Northumberland; (8) Notts and Lincoln. Only representatives with established connections amongst retail chemists considered. Very liberal commission terms. Apply giving fullest details to Box S 501, Erwoods, Ltd., 211 Piccadilly, London, W.1.

REPRESENTATIVES REQUIRED to call upon chemists, well-established C.F. lines. Salary and expenses. Preferably car owners. Eastern counties and Southern England areas. Please write, giving age, full details of past experience, connection if any, to Home Sales Manager, Westminster Laboratories, Ltd., Chalcot Rd., N.W.1.

RESIDENT REPRESENTATIVE for Northern Ireland, aged 27-35, required by leading infant food manufacturers to call on welfare centres, hospitals, doctors and chemists. Pharmaceutical qualification or scientific training essential and must be able to drive a car. Send, in confidence, fullest details of career, including age and salary expected, to Box 3/917.

SALES MANAGER required by Nottingham manufacturer; surgical rubber and fancy goods and chemists' sundries. Permanent, progressive position with good salary and commission for man with initiative and first-class connections throughout country. Box 3/921.

SALES REPRESENTATIVE required. A young, energetic pharmacist interested in a career with an old-established firm of manufacturing and wholesale chemists to develop established connection with retail chemists, hospitals and clinics in the South of England. This progressive appointment carries remuneration including salary, commission and expenses. Replies, giving full particulars of experience, and age. Send photograph if possible, and state if car owner, to Box 3/913.

TABLET MAKER experienced in routine tablet production required by well-known firm of manufacturing chemists in Home Counties. Apply in writing, stating qualification, experience and salary required. Box 3/940.

TEMPORARY POSTS will shortly be available for Growers' Representatives at Sugar Beet Factories during the forthcoming season, normally 3½ to 4 months. Applicants should possess a knowledge of chemistry and particularly sugar analysis. Salary, £9 per week. Applications should be submitted to The General Secretary, National Farmers' Union, 45 Bedford Sq., London, W.C.1.

THOMAS KERFOOT & CO., LTD., invite applications for the following positions on their representative staff. (1) medical representative to call upon doctors and hospitals in the North of England. (2) an experienced representative to call upon chemists in the Greater London area and Home Counties. Preference will be given in both cases to applicants with pharmaceutical qualifications. Please send full particulars to Thomas Kerfoot & Co., Ltd., Vale of Bardsley, Lancs.

UNQUALIFIED MALE assistant required for manufacturing and wholesale chemists South of England. Applicants should be experienced in the packing and checking of pharmaceutical products. Excellent prospects for energetic conscientious worker. Apply with full particulars, to Box 3/914.

WELL-INTRODUCED manufacturing chemists require representative for Gloucestershire, Warwickshire, Staffordshire, Shropshire and Leicestershire on commission plus expenses basis. Applications to Toja Products, Ltd., 83/85 Scrubs Lane, N.W.10.

WELL-KNOWN surgical dressing manufacturers require first-class representative to call on the pharmaceutical trade in the Birmingham area. Applicants should be between the ages of 25-35. Car an advantage. Remuneration by salary, commission, plus expenses allowance. Photograph should accompany application which should be addressed to Box 3/902.

WORKS CHEMIST. Graduate required by London firm of national repute, to take full charge of laboratory and factory control, wide range of products. Preference given to keen, industrious young man with thorough practical experience in all branches of the food trade. This is a permanent post, and offers unlimited scope. Full details in confidence. Box 3/905.

WHOLESALE (OVERSEAS)

PHARMACIST urgently required for service with large industrial concern operating in the Middle East. Large hospitals and staff of British M.O.'s and sisters. Considerable dispensing for hospital and outpatient clinics. Applicants must hold M.P.S. and be not over 35. Attractive salary plus generous allowance in local currency. Free passage out and home, medical attention; kit allowance. Write, giving age and full details of qualifications and experience, quoting Dept. F.94, to Box 1250, at 191 Gresham House, E.C.2.

SOUTH AFRICA. Experienced foreman cosmetician required. Single. 30 to 40. £50 a month; cabin passage out paid. Box 3/889.

SOUTHERN RHODESIA. Qualified chemist as salesman and manufacturing assistant for well-known South African Company commencing operations in Rhodesia. Keenness for salesmanship and practical all-round knowledge of manufacturing essential. Preferably single, car driver, and must be prepared to work hard as position holds excellent prospects. Apply Box 3/939.

SITUATIONS WANTED

3/- for 18 words or less, 1d. for every additional word

RETAIL (HOME)

CHEMISTS' ASSISTANT or dispenser; permanent or temporary, London and provincial experience, unqualified, abstainer. Apply "Dispenser," 320 Cowbridge Road, Cardiff.

LADY, 45, very active, recently widowed, ser full apprenticeship, unqualified, requires post assistant in retail chemists or drug store; part-t (would consider full-time later). Hornchur Upminster, Romford, Brentwood, Essex area. 3/931.

STOCKTAKING, quiet and efficient workmansl over 30 years' practical experience. Personal sup vision. C. W. Playfoot, 8 Aylward Rd., Mer Park, S.W.20. Tel. Liberty 4104.

WHOLESALE

FOREMAN, 30 years' experience in the manuf ture of pharmaceutical preparations, formulati tablets, ointments, toilets, etc. Box 3/899.

REPRESENTATIVE with good connection North Counties, 12 years' experience, calling on chem and allied trades, seeks engagement. 35 years o Salary, commission and expenses required. E 3/880.

REPRESENTATIVE with established connection in South-eastern Counties desires post with a reputal house. Box 3/906.

REPRESENTATIVE. own car, good connection Sou Coast, requires additional nationally advertised li Apply Box 3/941.

REPRESENTATIVE POST in Midlands or South w firm of repute sought by advertiser now disposi of own business. Adaptable and energetic. years' experience of trade. Box 3/930.

SCOTSMAN, single, well educated, fine appearan and presence; 20 years' valuable, varied and exte sive experience surgical, medical and dental instr ments and supplies; widely travelled, Canad America, Mexico, Cuba and Europe. Linguist. See appointment as foreign travelling representativ Box 3/892.

TRANSPORT OFFICER requires position wi manufacturing company. Capable of controlli stocks, packing, factory handling, rail dispatche operation of delivery fleet, inwards traffic, carria charges, claims. Write, Box PD.214, Deacon Advertising, 36 Leadenhall St., London, E.C.3.

WORKS or production manager. Advertiser, ene getic, with ability to obtain the best results fro all departments and staffs, desires post in or nea Manchester. Box 3/907.

WORKS CHEMIST, competent woman B.Sc., wit sound analytical all-round knowledge and seve years' industrial experience seeks responsible post i London. Write to Miss Pearl, 601 Endsleigh Ct Upper Woburn Pl., W.C.1.

WORKS MANAGER. Chemist, 23 years' wide ex perience in large scale manufacture of pharmaceu ticals, galenicals, fine chemicals, vitamins, an amino acids, etc. Capable of planning and layou of plant, sound administrative ability; used t handling labour, seeks position in London or Hom Counties. Box 3/932.

APPOINTMENTS

HILL END HOSPITAL, ST. ALBANS

ASSISTANT PHARMACISTS required. Salary in accordance with the Joint Negotiating Committee's Report (Hospital Staffs) (£370 p.a. rising by £15 p.a. to £450 p.a. inclusive of cost-of-living bonus). Apply, stating age, qualifications and particulars of experience, to Medical Director.

CLAYTON HOSPITAL, WAKEFIELD

(Voluntary Hospital—200 beds)

ASSISTANT PHARMACIST required; non-resident; commencing salary £370 per annum in accordance with the Joint Negotiating Committees Scales; applications, stating age, qualifications and experience, with copies of three recent testimonials, should be sent to the undersigned by 21st June, 1948.

W. READ,
Superintendent and Secretary.

25th May, 1948.

KING GEORGE HOSPITAL, ILFORD. ESSEX

Applications are invited for the post of sistant Pharmacist at the above Hospital. ppointment to commence July 1st, 1948, with lary according to the J.N.C. scale. Hospital perience not essential.

Applications, with full particulars to be made the Secretary and Superintendent.

KENT COUNTY COUNCIL

Applications are invited for the following pointment at the ROYAL VICTORIA HOSTAL, FOLKESTONE:

HARMACIST-IN-CHARGE (M.P.S. or .C.) either sex. Should have had not less an three years' Hospital experience after alifying. Salary £420 per annum, rising by e annual increments of £15 to a maximum £495 per annum.

Superannuation. Medical examination necesry.

Applications, stating age, qualifications, exrience, and the names and addresses of two sponsible persons to whom reference may be ade as to professional ability, to be sent to e County Medical Officer, County Hall, aidstone, as soon as possible.

W. L. PLATTS,
Clerk of the County Council.

ounty Hall,
Maidstone.
26th May, 1948.

MIDDLESEX COUNTY COUNCIL

EST MIDDLESEX COUNTY HOSPITAL, ISLEWORTH, MIDDX.

) ASSISTANT PHARMACIST, J.N.C. Hosp. Staffs) scale, £370 p.a.-£450 inclusive. milar experience may determine commencing lary. Must hold one of Pharmaceutical ociety's qualifications. Whole-time duties under edical Director and Chief Pharmacist. Estabshed, subject to medical exam.

) LOCUM PHARMACIST required immedely for an indefinite period. Salary 8-10 uineas inclusive, according to experience. pplications to Medical Director of Hospital, ating age, qualifications, experience, with up three recent testimonials (quoting D.570 CD).

C. W. RADCLIFFE,
Clerk of the County Council.

iddlesex Guildhall,
S.W.1.

MIDDLESEX COUNTY COUNCIL

REGISTERED ASSISTANT PHARMACIST r NORTH MIDDLESEX COUNTY HOSITAL, Edmonton, N.18. J.N.C. (Hospital taffs) Scale. £370 to £450 inc. Similar exerience may determine commencing salary. Whole time, established, pensionable, subject medical examination. Applications, stating ge, qualifications, experience, with copies of p to three recent testimonials, to MEDICAL IRECTOR of Hospital immediately (quoting .591). No forms.

C. W. RADCLIFFE.
Clerk of the County Council.

MIDDLESEX COUNTY COUNCIL

EGISTERED ASSISTANT PHARMACIST equired at HAREFIELD COUNTY HOSPITAL, Harefield, Middx. J.N.C. (Hosp. Staffs) alary £370-£450 p.a. inclusive. Similar exerience may determine commencing salary. ecently qualified pharmacists eligible. Wholeime, unestablished, possible establishment, subect to medical examination. Application, stating age, qualifications, experience, with copies f up to 3 recent testimonials, to MEDICAL IRECTOR at Hospital, IMMEDIATELY quoting E.146 CD).

MIDDLESEX COUNTY COUNCIL

NON-RESIDENT LOCUM PHARMACIST required IMMEDIATELY at CENTRAL MIDDLESEX COUNTY HOSPITAL, PARK ROYAL, N.W.10, for an indefinite period. Salary 8-10 guineas p.w., according to experience. Application to MEDICAL DIRECTOR of Hospital, with copies of up to three testimonials (quoting E.494 CD).

REDHILL COUNTY HOSPITAL

EDGWARE, MIDDLESEX.

REGISTERED ASSISTANT PHARMACIST required. J.N.C. (Hosp. Staffs) salary £370-£450 p.a. inclusive. Similar experience may determine commencing salary. Whole-time, established, pensionable, subject to medical examination. Application, stating age, qualifications, experience, with copies of up to three recent testimonials, to Medical Director of Hospital immediately (quoting D.815 CD). No forms.

SURREY COUNTY COUNCIL

EPSOM COUNTY HOSPITAL, Dorking Rd., Epsom.

ST. HELIER COUNTY HOSPITAL, Carshalton.

ASSISTANT PHARMACIST required. Commencing salary on grade £370 x £15—£430 x £20—£450 per annum inclusive. Applications, stating age, qualifications and experience, with copies of testimonials, should be sent to the Medical Superintendent of the appropriate Hospital.

AGENCIES

17/6 for 36 words or less, 4d. for every additional word

A MANUFACTURING COMPANY requires several men open to carry further lines on commission basis only. A good income can be made by salesmen who have a good connection with chemists, grocers, Co-ops, etc. Details of present lines carried. Write Box 3/911.

PROVINCIAL AGENTS required by established manufacturers of toilet preparations, commission basis. Territories reserved. Box 3/904.

SALES ORGANISATION, U.K. coverage Chemists, Co-ops, etc. showing progressive results, are prepared to undertake the sole distribution of an additional product offering wide sales possibilities. Replies in confidence. Box 532, Arthur S. Dixon Ltd., 229 High Holborn, W.C.1.

WELL-ESTABLISHED and reliable firm of manufacturers' representatives in Australia, already dealing with wholesale druggists and pharmaceutical manufacturers, is anxious to have additional agencies from reliable British manufacturers of basic materials for the pharmaceutical industry. Good references can be given and close attention to business can be guaranteed. Representative now in England and appointment can be arranged. Box 3/861.

AGENCIES WANTED

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ADVERTISER leaving for Melbourne end July is open to accept any business commissions or agencies suitable for this market. Write in first instance, to "C", c/o H. W. Kempston, 140 Queen's Rd., Leicester.

NEW ZEALAND. Manufacturers' representative returning to Auckland in August requires several additional sole agencies from reputable British manufacturers. Firms interested are invited to communicate with Hilliard McMullen, 43 Mountview St., Belfast. 'Phone 28193 Belfast.

BUSINESSES FOR DISPOSAL

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AN OPPORTUNITY to acquire, either outright or on payment of royalty basis, an established cosmetic manufacturing business making a number of quality lines (including new one of outstanding merit) which are well-known and sold nationally and overseas. Excellent profit. Principals only. Apply Box 3/934.

BATTERSEA. Drug stores. Chemists, sundries. Oldest., on main road. Turnover £30-£40 p.w. 18 years on lease. S/F shop, parlour, 2 storerooms, yard. Badly neglected, ample scope. Goodwill, fittings, £500. Stock £450 app. See below. SUNDERLAND. Chemist. Old-est. with good corner site. Turnover £55-£65 p.w. Lease available. Corner shop, dispensary, storerooms. 1 employee. Ample scope. Goodwill, fittings, £1,200 or near. Stock, £300 app. See below. CROYDON. Chemists, sundries, toilet requisites. Cosmetics, florist. On main road. Net profit £8 p.w. (neglected, scope for increase). D/F shop, 2 dept., rear room (suitable dispensing), 1 rec., 2 beds., scul. Goodwill, fittings, stock, £500. See below. National Business Agency, Ltd., will be pleased to supply details of the foregoing and many other propositions. Apply "Sales Department," 39 King William St., London, E.C.4. Mansion House 4922.

COUNTRY CHEMISTS' BUSINESS Southern County, 80 miles London. Large village approx. 1,800. Centre of wide district. Nearest chemist 7 miles. Turnover £5,000. No panel dispensing. Two doctors with wide practices. Council water, main drainage. Electric light, heat, no gas. Modern bathroom, large garden, yard, store, stock-rooms. Reason age, failing health. Business stock fixtures £4,000. Premises £4,000. Wish to sell both. No agents. Banker's reference. Further particulars: Apply Box 3/943.

DRUG STORE for sale, good central position, freehold property, no living accommodation. Apply 4 High Street, Caister-on-Sea.

FOR SALE. Fitted factory, 2,000 square feet with lease available. At present going concern, with licences to manufacture several products. Good opportunity. Box 3/890.

EXCEPTIONAL OPPORTUNITY to acquire high-class business in congenial Surrey residential district within easy travelling distance of London. Attractive well-fitted pharmacy with turnover in excess of £6,000; the present net profit under owner-management should be in the region of £1,500; owner has agreed to purchase a small group of businesses in another area and for that reason wishes to sell immediately; his private modern detached bungalow with three bedrooms, secluded garden with lawn, rockery and flower beds, will be available for purchase if required. The price of the business is very reasonable in relation to the value of stock and fixtures, and the first suitable offer will be accepted. Box 3/896.

MAIN STREET, BEDFORD. Herbal stores with large surgical rubber trade. Long lease; rent £100, exclusive. Eight rooms, yard, outbuildings, side entrance. Electric, gas. Stock, fittings, goodwill, lease, £2,000. 'Phone Bedford 5430.

BUSINESS OPPORTUNITIES

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MANUFACTURING CHEMISTS have facilities and space available for the manufacture and/or packing of domestic, industrial or toilet products. Bottle, powder and tube filling. Frank Macowal, Ltd., 30 Loughborough St., S.E.11. Reliance 3435.

TABLETS. A well-known food manufacturing company have available tableting capacity. Large quantities can be handled quickly and efficiently under hygienic conditions. Complete packaging can be arranged if required. Inquiries to Box W.731. Haddons', Salisbury Sq., London, E.C.4.

—IMPORTANT—

Box Office numbers are intended exclusively specific answers to particular advertiseme Printed Matter cannot be forwarded.

FLAT BOTTOM GLASS TUBES, ⅝". Contr wanted in any size. Dunford, Glassworks, Westgate, Wakefield, Yorks.

WHY NOT BE A SALESMAN with our pro postal training and guaranteed appointments vice which secured 1,000 salaried sales vacan in 1947? Previous experience unnecessary with 25 years' specialised experience to aid you. S today for free details. Wallace Attwood Coll Dept. 84, Attwood House, Finchley Rd., Lond N.W.3.

MISCELLANEOUS SALES

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BLOCK STEARINE. Ton, packed in 1-cwt. b M.P. 120-122° FFA 98.5, 2/- lb. x/wf. Lond Box 3/888.

BOTTLES FOR SALE. Manufacturer's surplus st 200-gross 2-dram perfume bottles, complete black bakelite caps. Offers invited. Box 3/92

CENTRAC, Automatic tube filling and clo machine for sale. 6 gross per hour. Good worl order. 3-phase motor. Golden Valley Chem Works, Ltd., 20 Gloucester St., Stroud, Glos.

CLEARANCE. 33 gross 1 in. x 5 yd. Bauer & Bla adhesive plaster, 6s. 9d. doz., 80s. gross. 29, ½-oz. light blue aluminium ointment tins, 9s. gr 60s. 1,000. 17 gross 1¼ in. wool powder puffs, 5s. doz., 60s. gross. Box 3/908.

CLEARANCE LINE. 30 gross 1½-oz. bottles with ba lite caps. 20 gross 1-oz. opal jars with pink unis caps. 40 gross 2-oz. clear jars with bakelite ca 500 only fancy opal jars with bakelite caps. 1 clear squat jars, about 75 gross altogether, so with metal caps, but the majority without. Co plete quantity, £80. Box 3/897.

FOR DISPOSAL. 1-oz., 2-oz. and 4-oz. toilet bot and 10-oz. cylindrical ambers. In lots of not less t 2 gross. Write for samples and prices. Deb Chemi Proprietaries, Ltd., Spencer Rd., Belper, Derby

FOR DISPOSAL. One disintegrator (Ham Mill) complete with 15 h.p. motor, a.c. 440 vo Two Jackson & Crockett's fillers for powders, with motor only. One Holland mixer, one Ga ner mixer, one Gardner mixer and sifter. last three are without motor. Also one Edge R ner mill. The above machines can be bou reasonably. Box 3/857.

FOR SALE. 8 gross 1-lb white flint glass ja 23 gross No. 7 tablet bottles; 19¼ gross 2-oz. cyl drical bottles; 7½ gross 4-oz. round white f bottles. With caps. Considerably less than c price. Box 3/923.

GLYCERINE, B.P. 2 cwt. What offers? Box 3/8

HOBART MIXER. 80 quart 2 h.p. single ph motor, 220-250 A.C. 4-speed to beater shaft, new beaters. £350 or best offer. Golden Val Chemical Works, Ltd., 20 Gloucester St., Stro Glos.

QUANTITY OF SURGICAL dressings in various si offered at reduced prices for quick disposal. I mediate delivery. Write H., Box 257, c/o Geo Murray (Advertising), Ltd., 184 Strand, Lond W.C.2.

ROLL FILM. The proprietors of chromopan fi are prepared to consider the appointment of limited number of retail agents for the sale 120 and 620 film. It is packed in an attracti three-colour wrapper and sells at 2/8. Trade pri 16/6 dozen plus tax. Enquiries should state a proximate monthly requirements during seaso Chromopan Agents, BCM/CHROMOPAN, W.C

LUS STOCKS available of new tablet bottles, ules, pots, limes, poisons, winchesters, medi- pomades, kalis, etc. Samples sent on request. s to Box 3/708.

LUS. Bakelite small universal caps, 3s. gross. jars and other perfume bottles. Box 3/900.

E, WHISKY and vinegar bottles available; also 4, 8, 10 and 16-oz. cylindricals; also 8 and in brown. 2, 4, 6, 8, 10 and 20-oz. medi- ats. Pomade and squat jars, new and re- ed oddments to clear. Lennard, Lee-Narvill ., Ltd., 216 Anlaby Rd., Hull.

SALES BY AUCTION

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POLD FARMER & SONS will sell the above AUCTION at THE LONDON AUCTION RT, 155 QUEEN VICTORIA STREET, E.C.4, ONESDAY, 30th JUNE, 1948 at 2.30 p.m. ess previously disposed of Privately.)
TICULARS, PLAN AND CONDITIONS OF E may be obtained of Messrs. Cosmo Cran & Solicitors, 164 Bishopsgate, E.C.2, and Leopold ner & Sons, Industrial Property Auctioneers & eyors, 46 Gresham St., London, E.C.2. Tele- e Monarch 3422 (8 lines).

LEGAL

GEORGE WALTON DECEASED

Pursuant to the Trustee Act, 1925

OTICE IS HEREBY GIVEN that all persons ng any claims against the estate of George on late of 46 Holland Park, North Kensing- London, wholesale perfumer who died on the day of April 1948 and whose Will was proved Henry Cyril Rudolf of Finsbury House Blom- Street in the City of London Chartered Ac- tant the Executor on the 14th day of May in the Principal Probate Registry are hereby ired to send particulars thereof in writing to said Henry Cyril Rudolf or to the under- ed the Solicitors to the Executor on or before 7th day of September 1948 after which date Executor will proceed to distribute the said te having regard only to the claims then ied.

ated this 8th day of June 1948.

Routh Stacey Hancock & Willis
Southampton Place, Bloomsbury, W.C.1.
Solicitors for the said Executor.

FOR SALE

8/6 for 36 words or less, 3d. for every additional word

FOR SALE. 2-dr. vials, 10/- per gross carriage paid. Minimum quantity 2 gross. Cash with order to Morecambe Photographic Services, Ltd., 10 Regent Rd., Morecambe.

FOR SALE. Mixing machine, stainless Steel, 100 lb. capacity. Tilting pan for dry material, drain cock for liquid. Box 3/919.

SURPLUS. 1 and 3-lb. jars, 2 and 4-oz. toilet bottles, No. 7 tablet bottles, all with metal or plastic screw caps, and small stock of assorted containers available at reasonable prices. Box 3/924.

3-OZ. ALUMINIUM CONTAINERS, screw lids, $2\frac{1}{2}$ in. x $1\frac{3}{4}$ in. dia. Approx. 125 gross. Samples and prices from Box 3/893.

WANTED

8/6 for 36 words or less, 3d. for every additional word

BETANAPHTHOL. 1 ton or smaller quantities required suitably packed for export. Write stating quantity available and price to Box 3/910.

GLYCERINE, Stearic Acid and petroleum jelly wanted by manufacturer. Interested in small or large quantities; good price paid. Box 3/915.

GLYCERINE and STEARIC ACID required. Offers welcome. Box 3/916.

STEARIC ACID, triple pressed, required in large quantities. Box 147/850.

STEARIC ACID, triple or good quality double-pressed, required in large or small quantities. Offers to Box 3/884.

WANTED. Phenacetin, glycerine, required by manufacturing chemists. Offers to Box 2/307.

WANTED, from any part of the world, 1,000 tons each caustic soda and soda ash for export. Payment in U.S.A. dollars. K. T. Mirchandani, 11 Mulgrave Rd., Croydon, England. Phone Cro. 0951.

WANTED. Dry granulator in good condition. Apply Box 3/937.

WANTED. Starch room equipment for pastilles and gums, for small factory. Apply Box 3/936.

PREMISES TO LET

SMALL FACTORY comprising out-house, lab., office, work-room, about 500 sq. ft., in South London, heat, power, etc. To let £200 p.a., twenty-one year lease £1,000. Apply Box 3/942.

TRADE MARKS

THE TRADE MARK VYKMIN registered under No. 620573 in respect of pharmaceutical preparations and substances was assigned on the 21st May, 1948 by Stablond Laboratories, Ltd., of 128-134 Baker St., London, W.1, to Roberts Pharmaceutical Laboratories, Ltd., of the same address without the goodwill of the business in which it was then in use.

TRADE MARKS. The following were assigned on the 16th January 1948 by The Hygienic Chemical Co., Ltd., of Broadway Chambers, Hammersmith, London, W.6, to W. John Williams & Co., Ltd., of 57 Lant Street, Borough High Street, London, S.E.1, without the whole of the goodwill of the business in which they were then in use:—

Registered Trade Marks No.: 606577 Mark: Fourcide on label. Goods: Insecticides and preparations for destroying vermin. No.: 608959 Mark: Farmercide on label. Goods: Insecticides and preparations for destroying vermin.

Unregistered Trade Mark. 4-cide. Insecticides and preparations for destroying vermin.

CONFERENCE ACCEPTS

Only modifying their resolution of acceptance in response to an appeal from Scotland, the joint conference of representatives of Pharmaceutical Committees and branches of the National Pharmaceutical Union voted, at 3.17 p.m. on June 17, after two and a half hours' debate, for acceptance of the Ministry's amended offer (see p. 799). The resolution of acceptance, moved by Mr. W. T. Rees, Cheltenham, and seconded by Mr. S. Hinchliffe, Cheshire, and carried overwhelmingly, with only thirty-three votes against, was in the following terms:—

> **"That, whilst not completely satisfied with the Ministry's amended offer, in the public interest this Conference cannot advise chemists to withhold service, and therefore, whilst relying on the machinery of the Pharmaceutical Whitley Council to regulate remuneration in the light of further experience, recommends that the basis of remuneration and conditions of service, set out in N.P.U. circular No. 661 and Appendix 1, be accepted —this acceptance to be subject to, and without prejudice to, the further negotiations that are to take place on the terms of remuneration for pharmaceutical services in Scotland.**

A resolution by the same proposer and seconder to accept the allocation of 7s. per hour for rota service on weekdays and 12s. 6d. per hour for similar service on Sundays, bank holidays and public holidays was adopted with only three dissentients.

Flat-rating Methods

The platform sought expressions of opinion, but asked for no resolutions tying the hands of the negotiators, on the relative merits of Plan A (the N.P.U.), and Plan B (the Ministry's) for putting into effect a "flat-rating" method of payment for a majority of prescriptions. With this policy the delegates expressed agreement, empowering the Executive, in consultation with Mr. J. Penman, whose services as actuarial consultant have been retained by the N.P.U., to reach a decision on the best method to be adopted.

Towards the end of the Conference M T. Heseltine (chairman of the Contr tors' Committee) announced that the r Joint Pricing Committee for England h its first meeting on June 16 and deci on the basis of a questionnaire to be s to existing pricing offices as a first step an overhaul of methods.

Scotland Rejects

The decision of the Scottish pharmac to refuse their separate offer—wh differed from the "amended" offer bef the Conference in providing for an al fee of one shilling and threepence (with extras for special classes of prescriptions was communicated to the Conference the opening of the afternoon session. T commenced fifteen minutes late owing consideration by the N.P.U. Executive the appeal from Scotland, which asked the Conference to be recommended to rej the terms before it. The Conference fou itself unable to comply with this request, made certain modifications, as mentio above, in its resolution of acceptance.

NEW BOOKS

How To Become A Pharmacist.—V fred A. Muteham, M.P.S. 7¼ in. x 4¾ Pp. 120. The Actinic Press, 555 I Bridge Road, London, E.10. The main t of Mr. Muteham's book was apparen written while the new education plans the Pharmaceutical Society's Council w still under discussion, for the new pro sals are dealt with only in a thirty-l appendix. Unfortunately, the author f to make clear to the reader what porti of the text are now invalidated.

Conversion Factors and Tables.—B 350, 1944. 8½ x 5½ in. 96 pages, British Standards Institution, 28 Victo Street, London, S.W.1. Approved by t chemical, building and engineering di sional councils of the Institution, the tab are comprehensive. Most of the conversi factors for converting British to metric un and *vice versa* are given to six significa figures, and if chemists may deprecate t use of the contraction "mil" for 1/1000 when for forty years the term has h official recognition as a short designation millilitre, the book is none the less invaluable work of reference.

Printed by The Haycock Press, Ltd., 106-140 Neate Street, Camberwell, S.E.5, and Published by the Proprietors, Morgan Brothers (Publishers), Limited, at 28 Essex Street, Strand, London, W.C.2. 81/

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